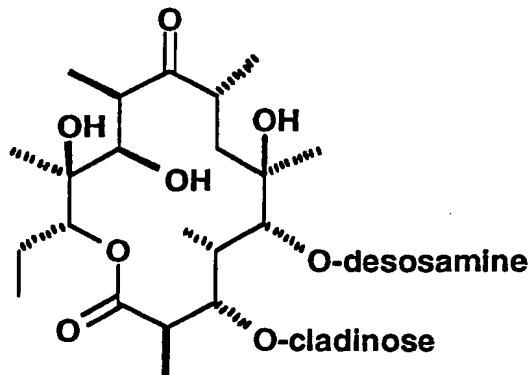


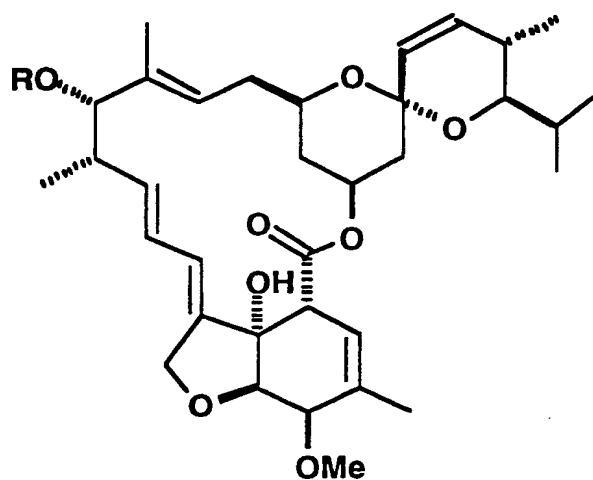
09/21 4453  
PCT/GB97/01819

WO 98/01546

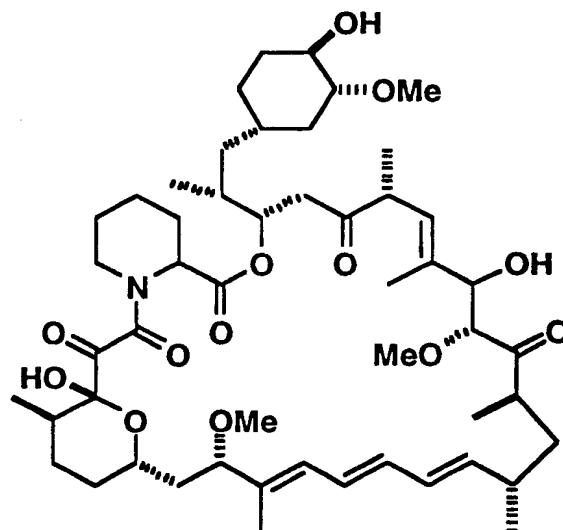
1/46



**Erythromycin A**



**Avermectin A1b**



**Rapamycin**

**Figure 1.**

2/40

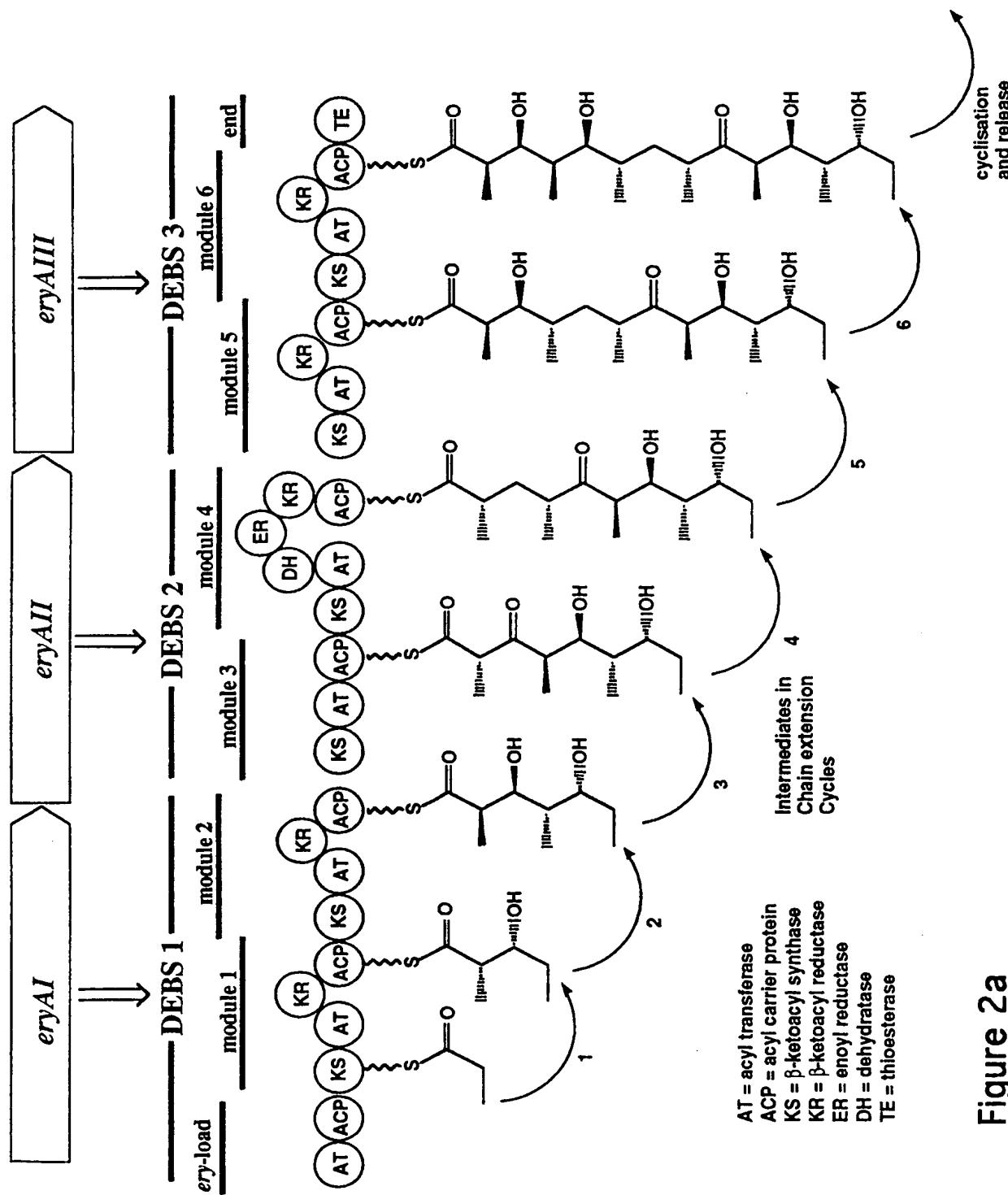


Figure 2a

**SUBSTITUTE SHEET (RULE 26)**

3/40

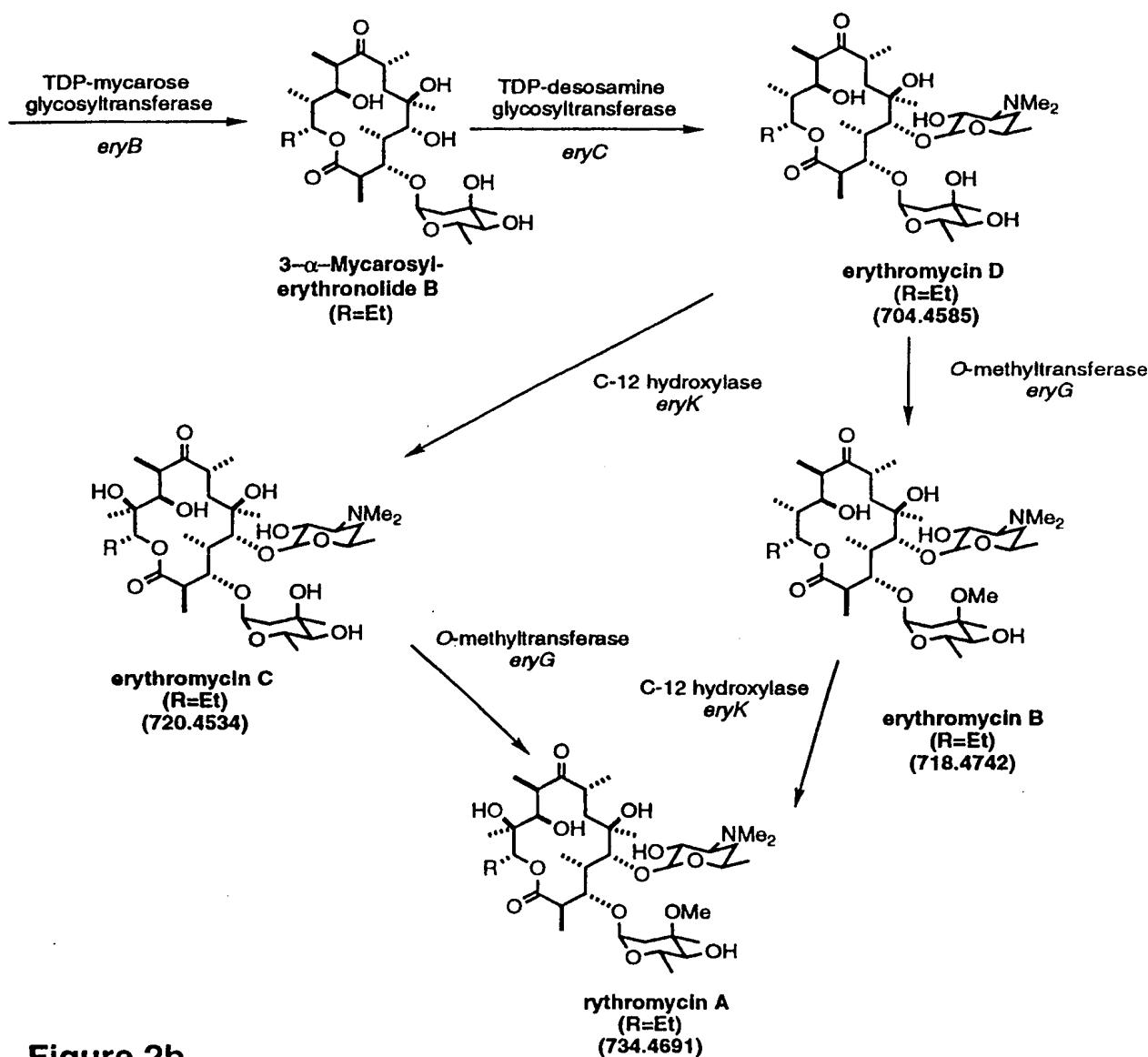
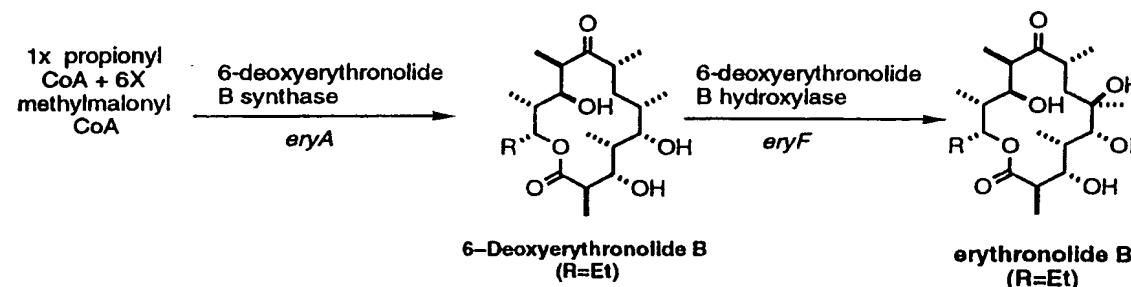


Figure 2b.

4/40

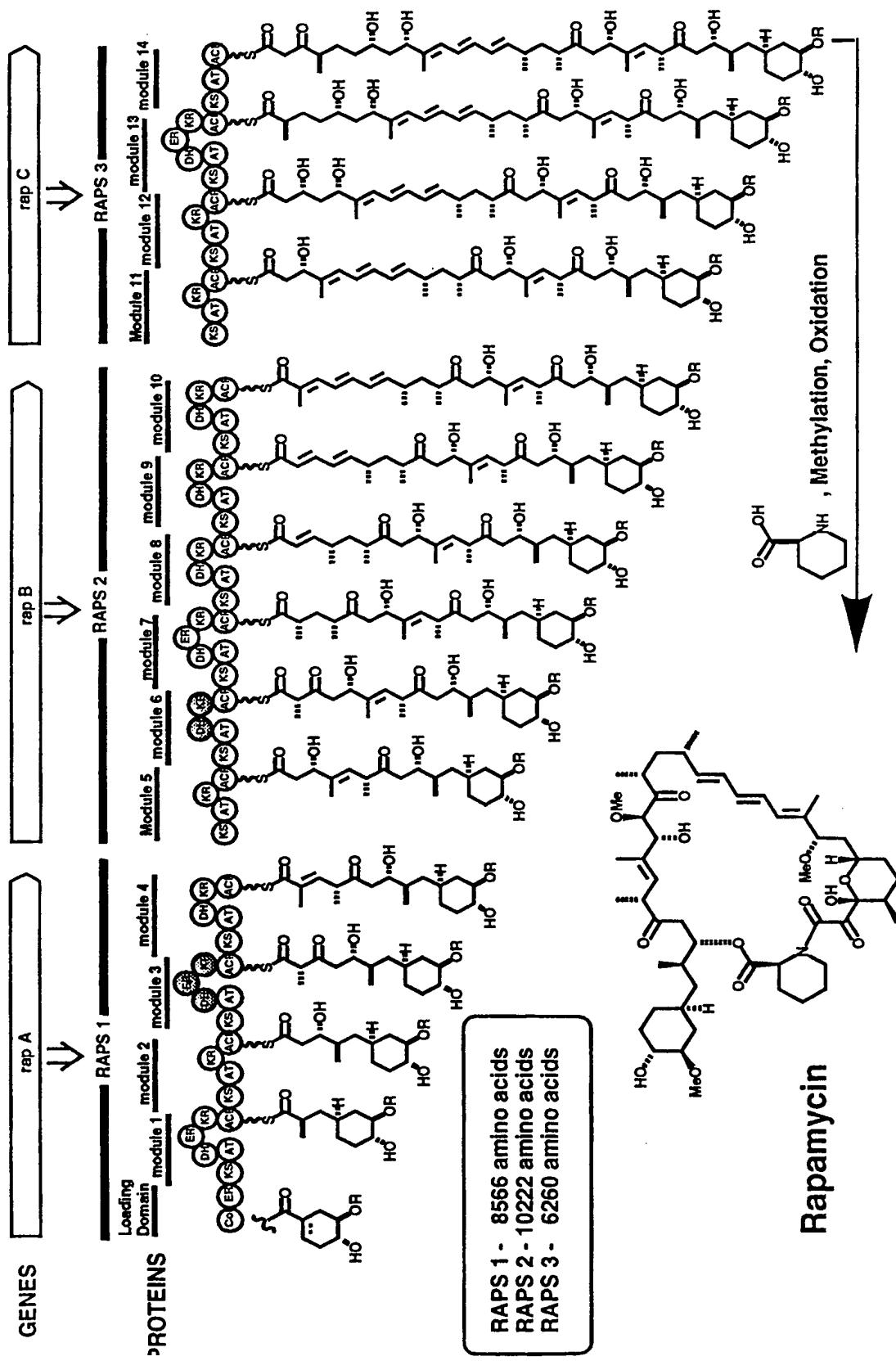


Figure 3

5/40

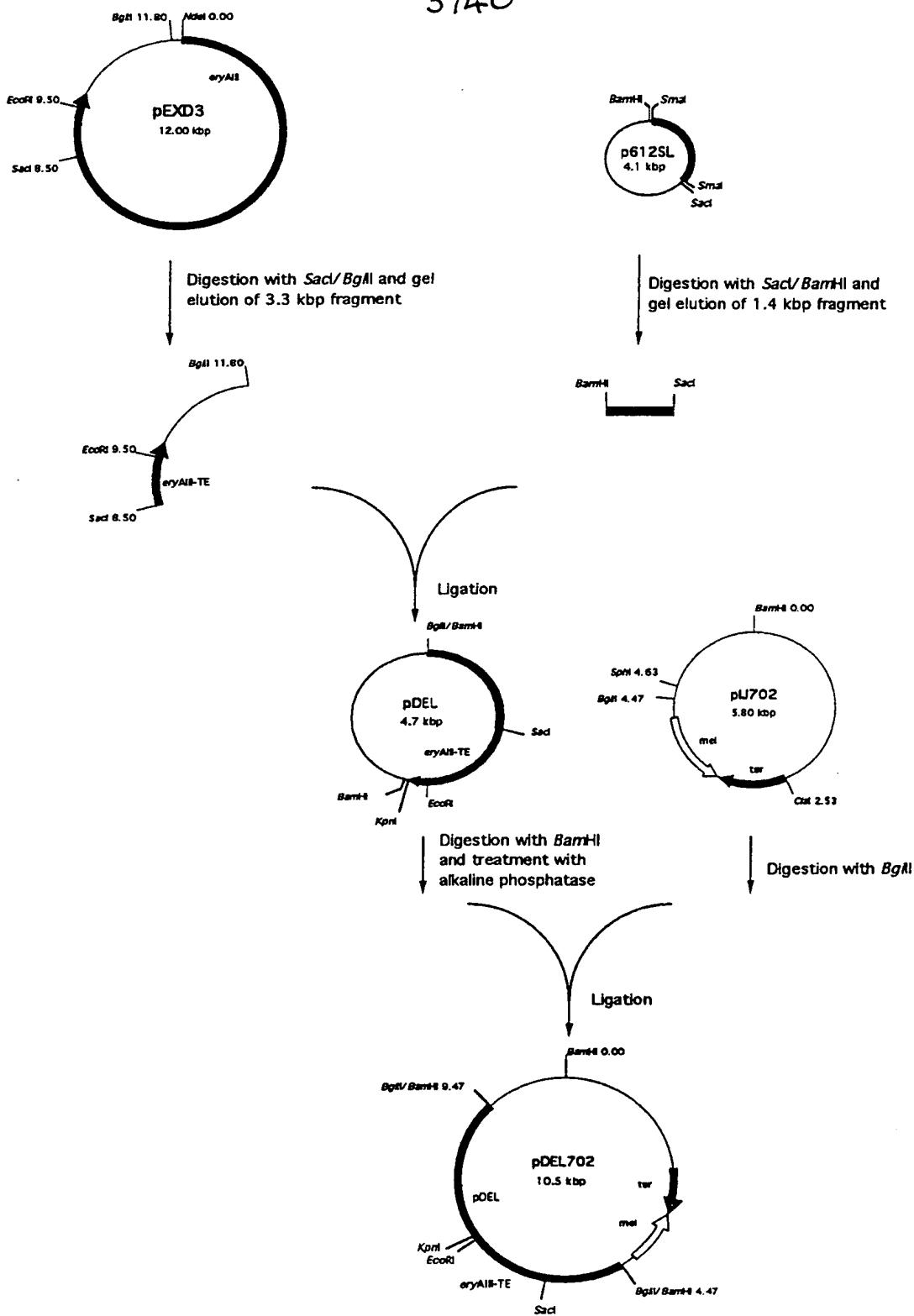


Figure 4

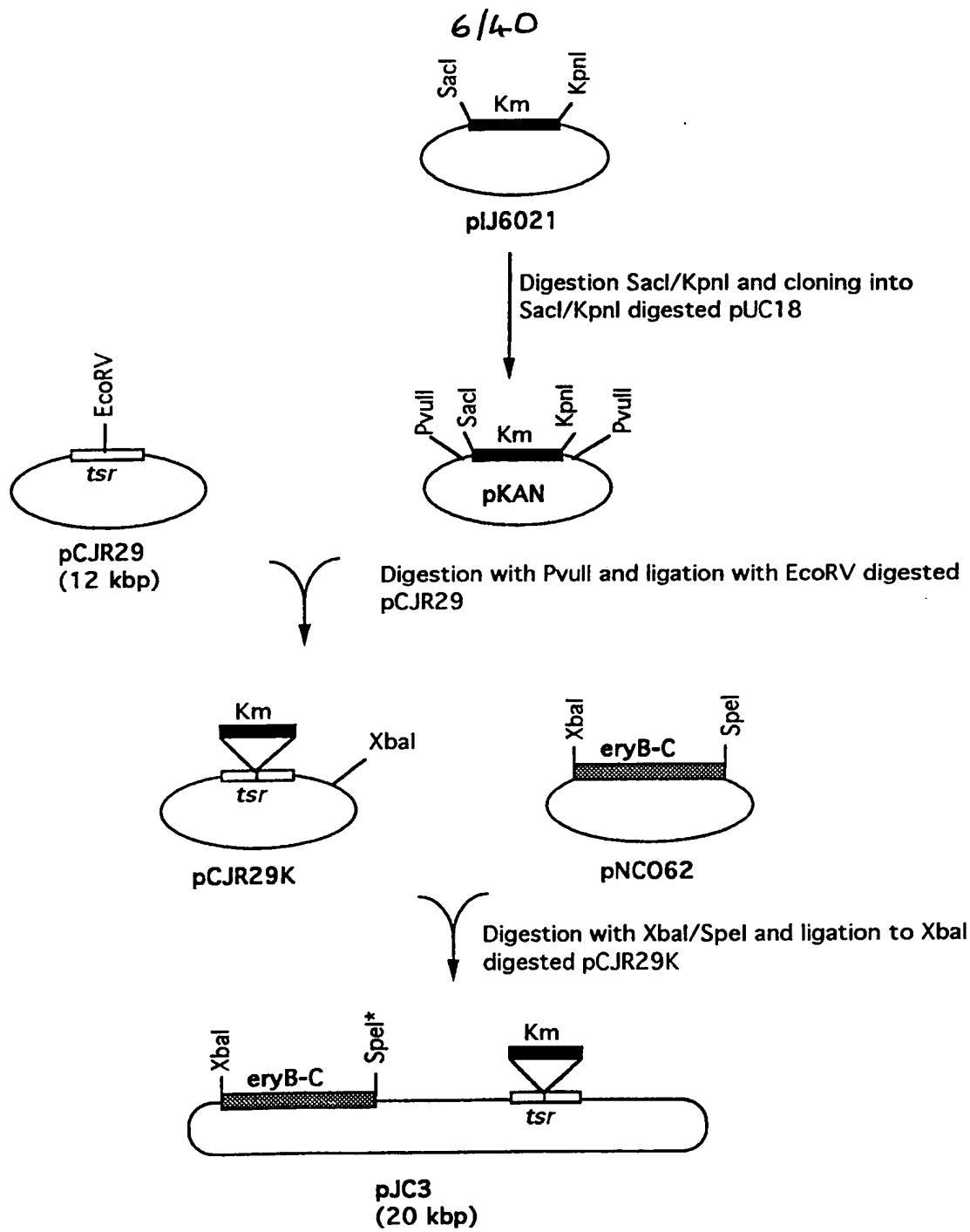
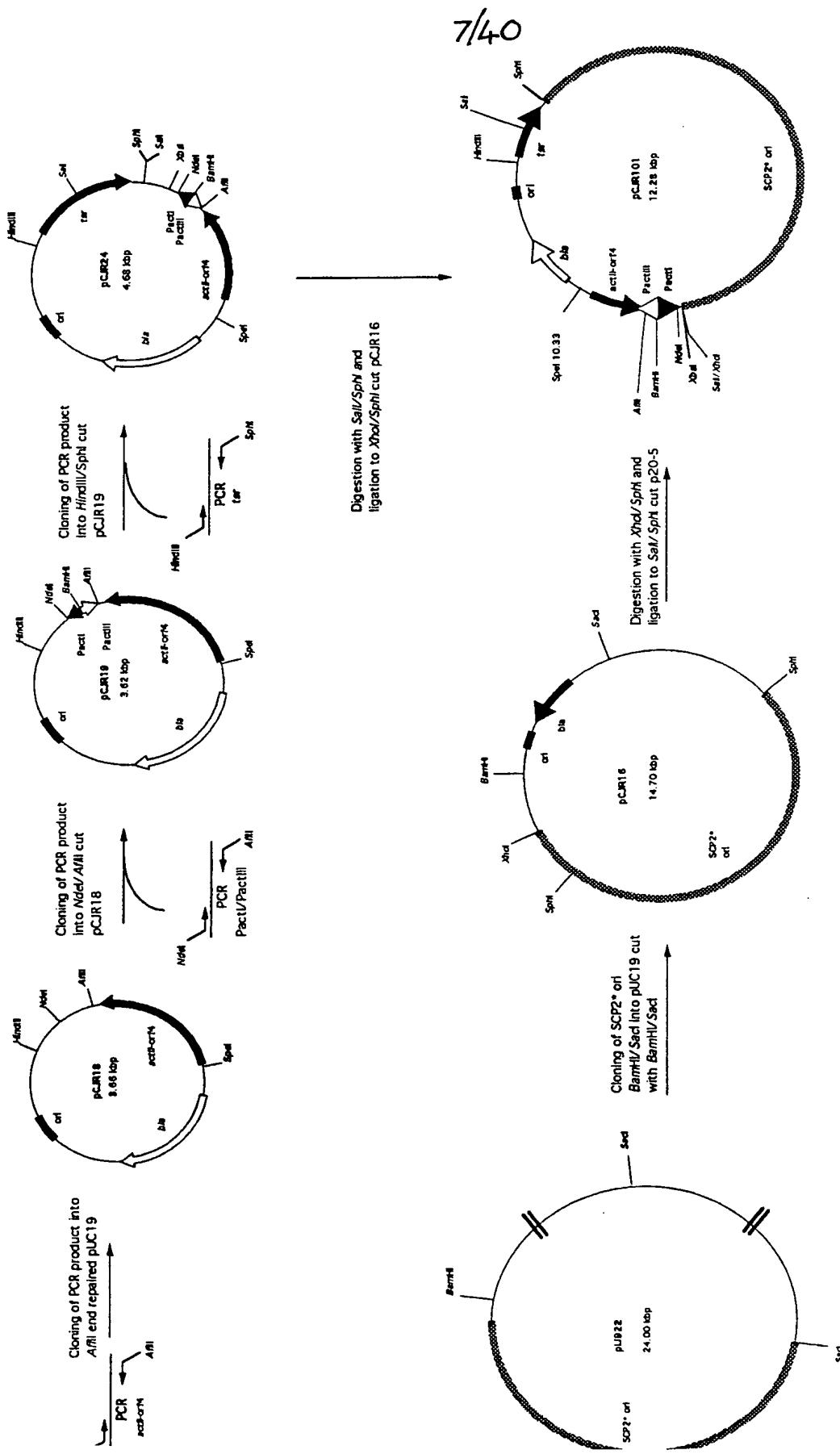


Figure 5. Construction of pJC3



## **SUBSTITUTE SHEET (RULE 26)**

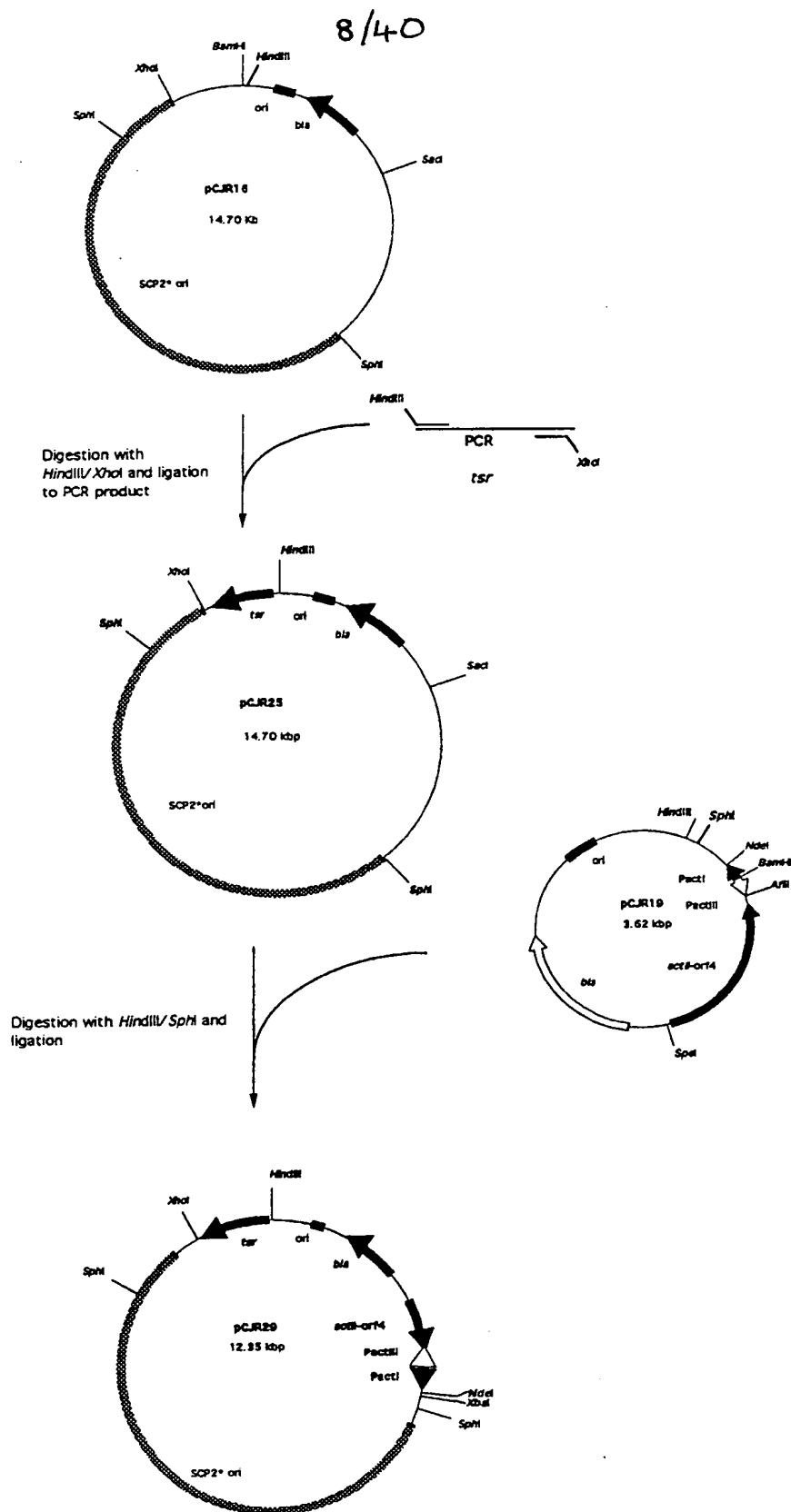


Figure 7.

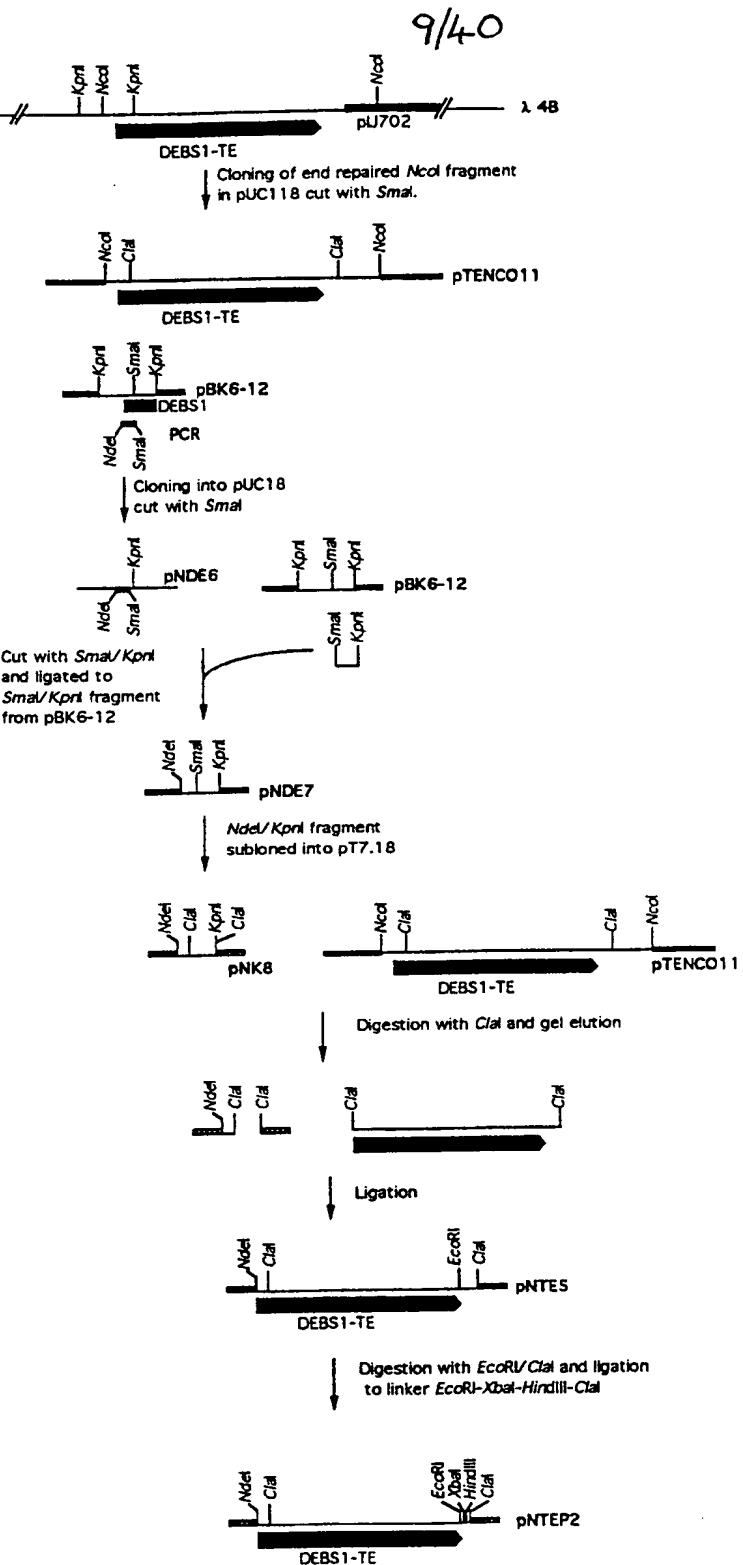


Figure 8.

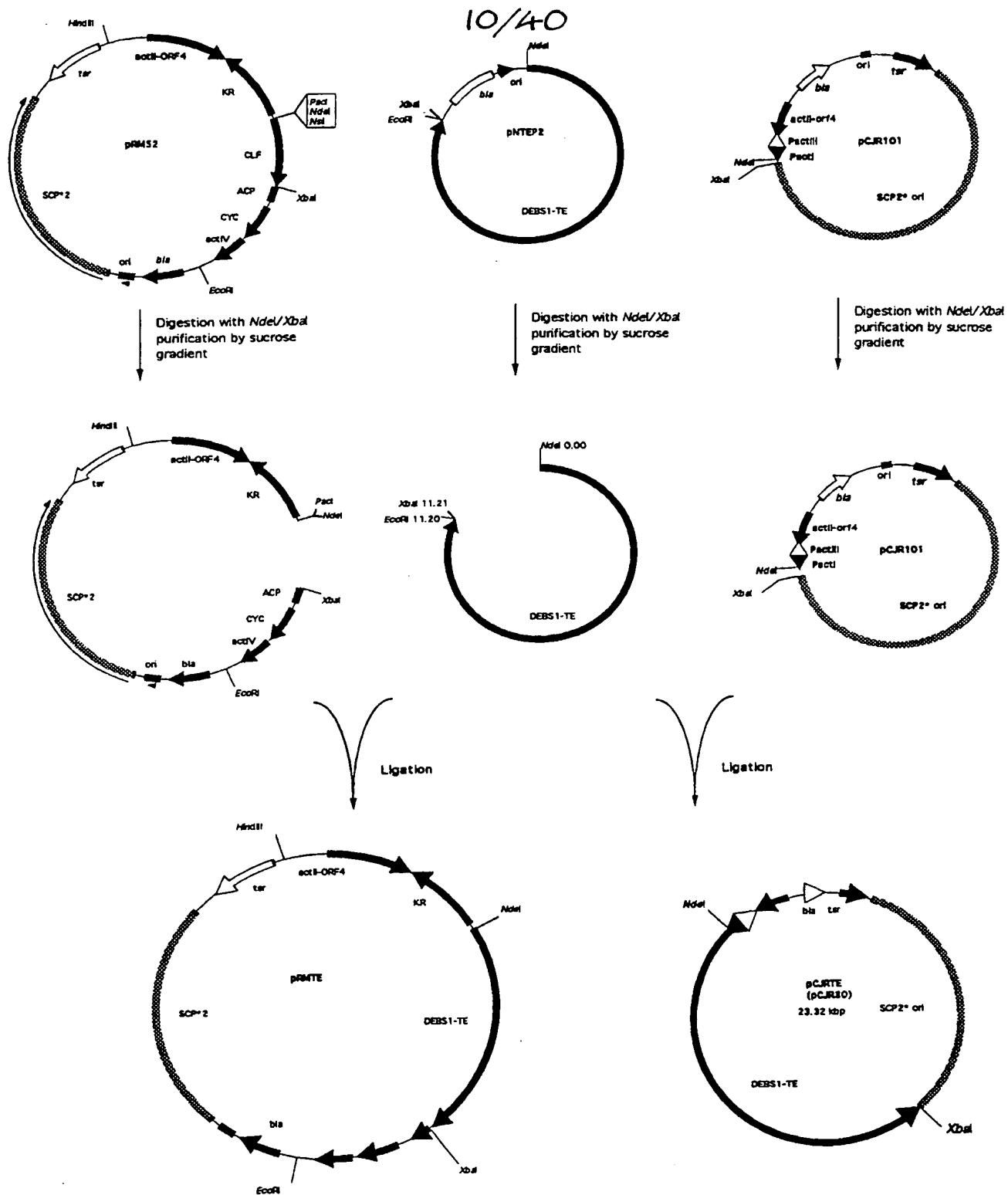


Figure 9.

11/40

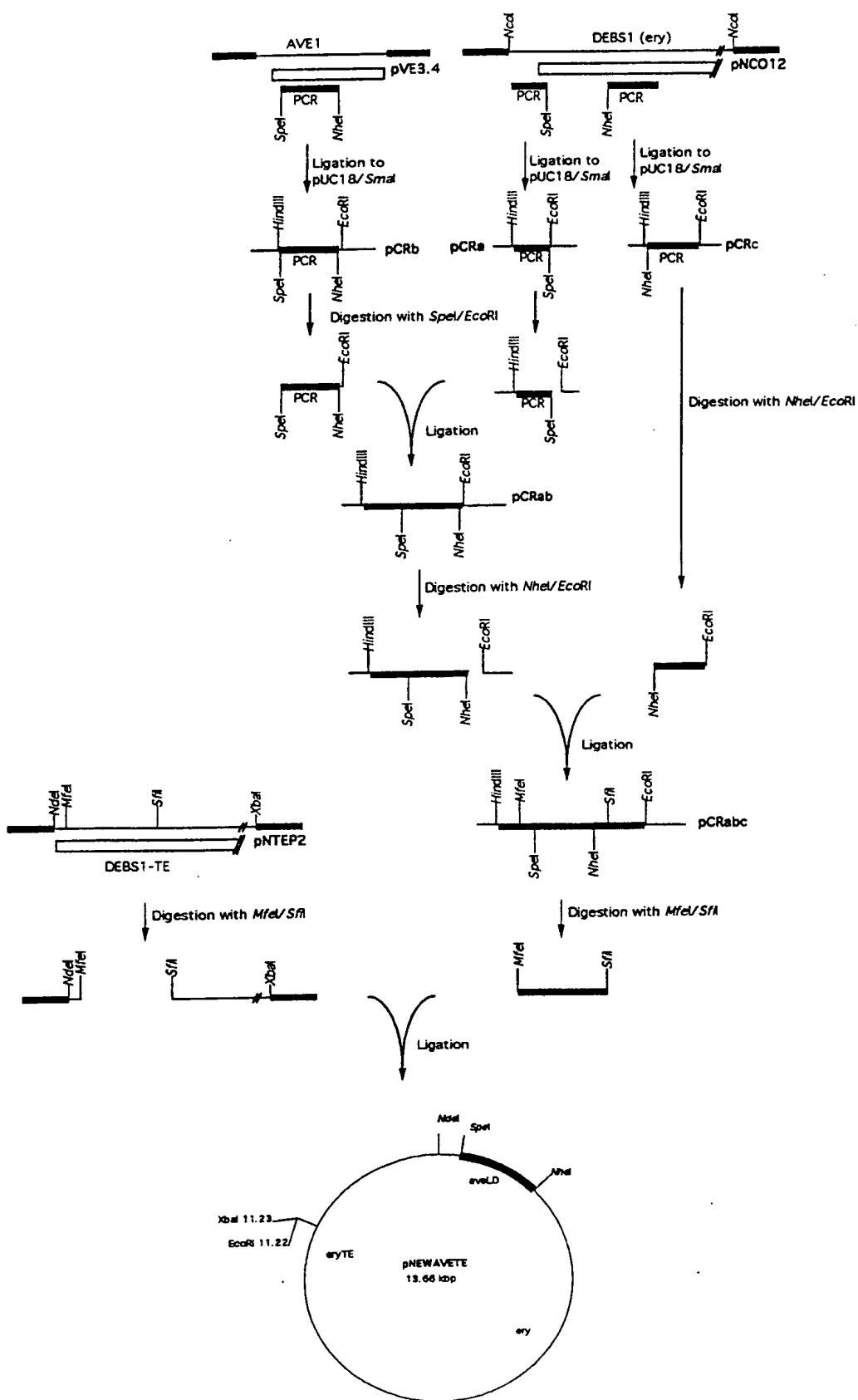


Figure 10a.

12/40

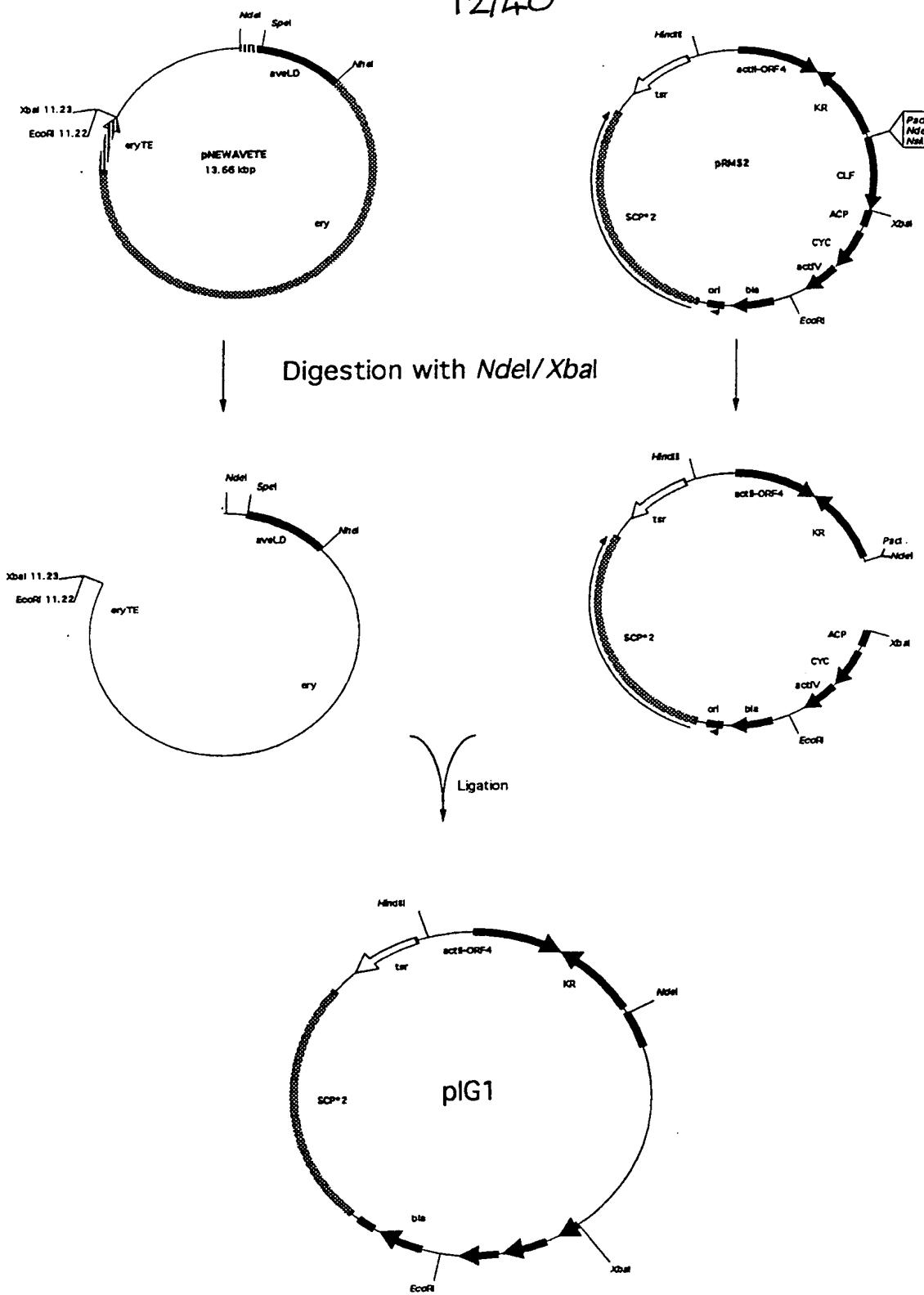


Figure 10b.

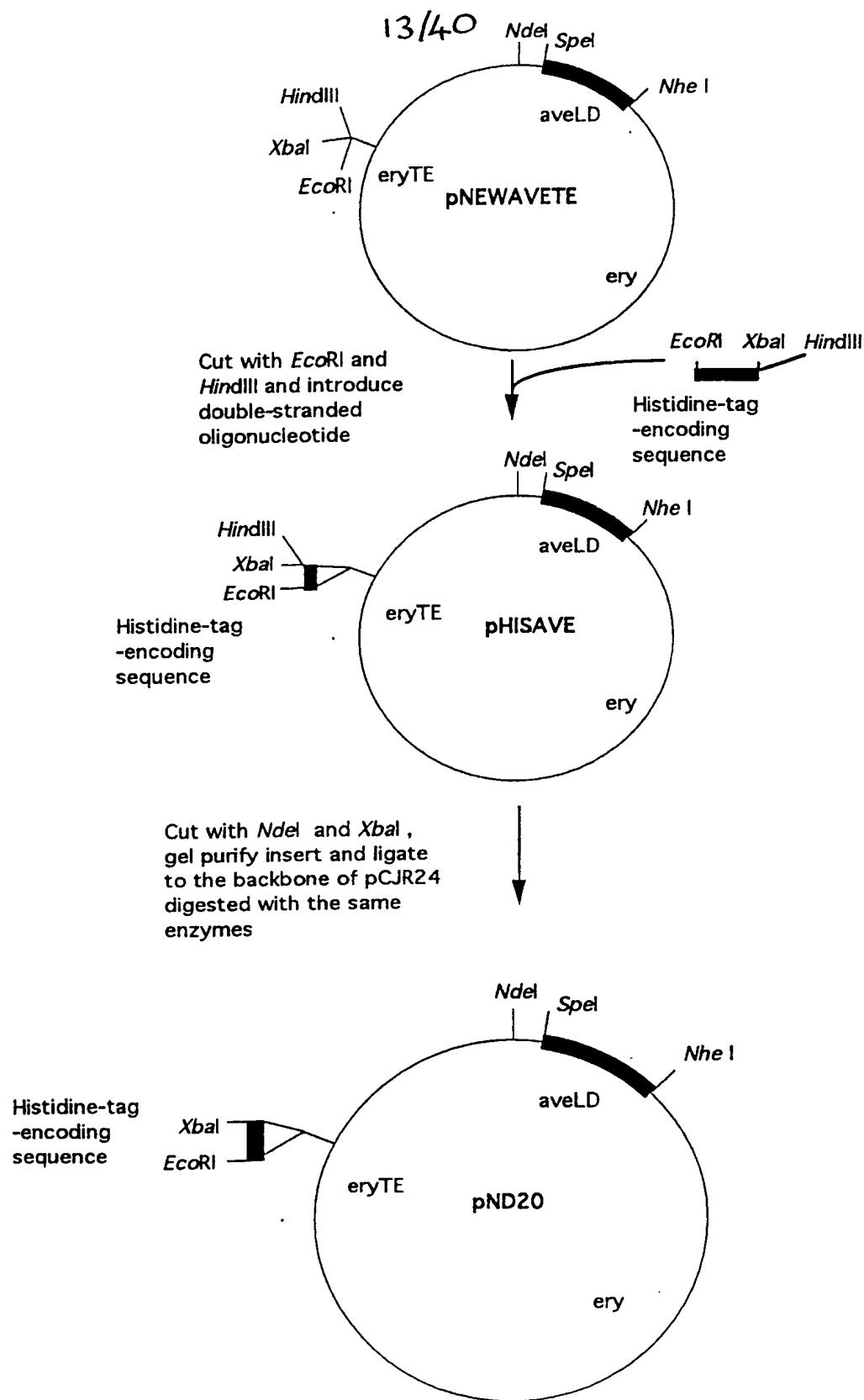


figure 11

14/40

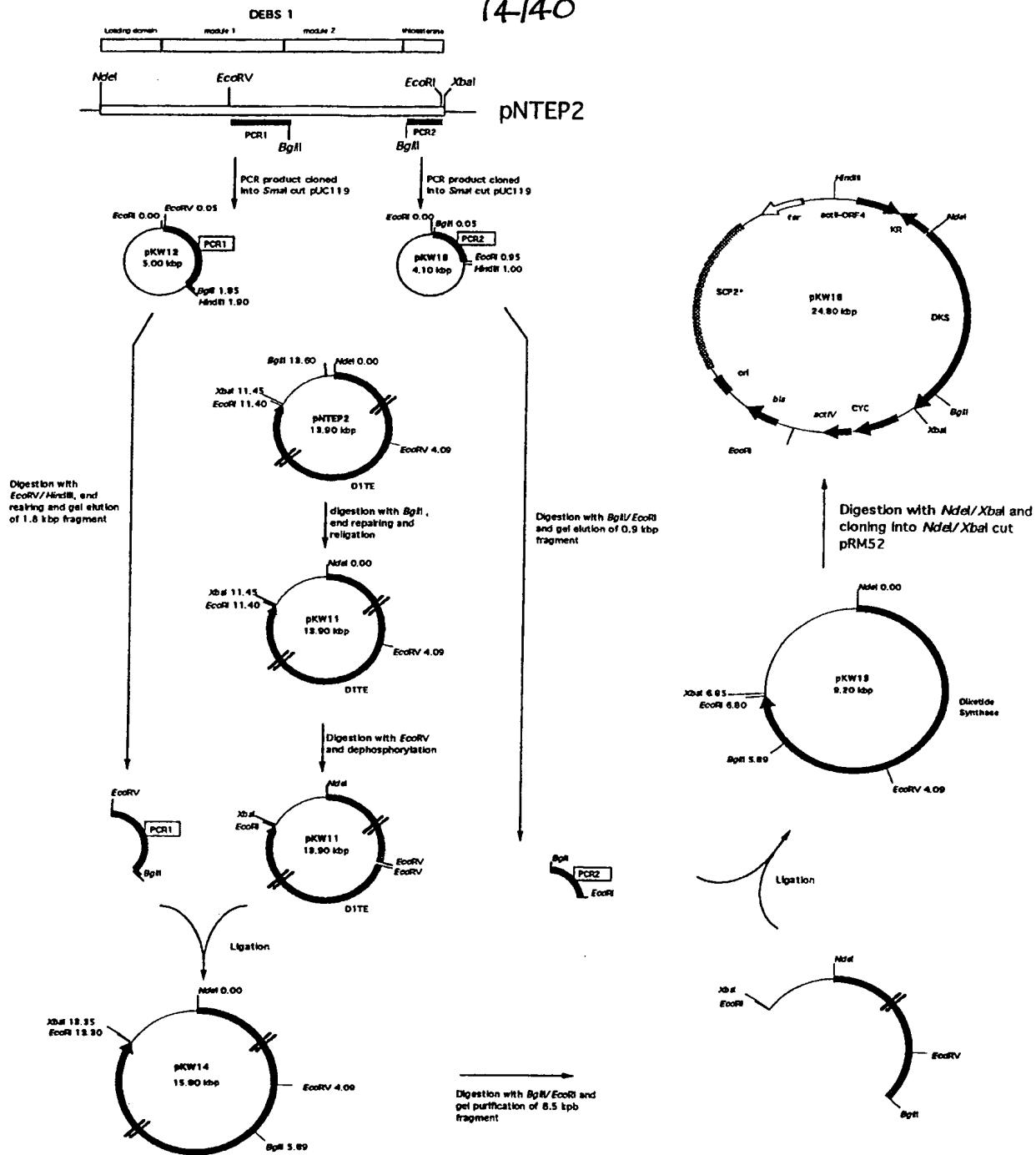


Figure 12.

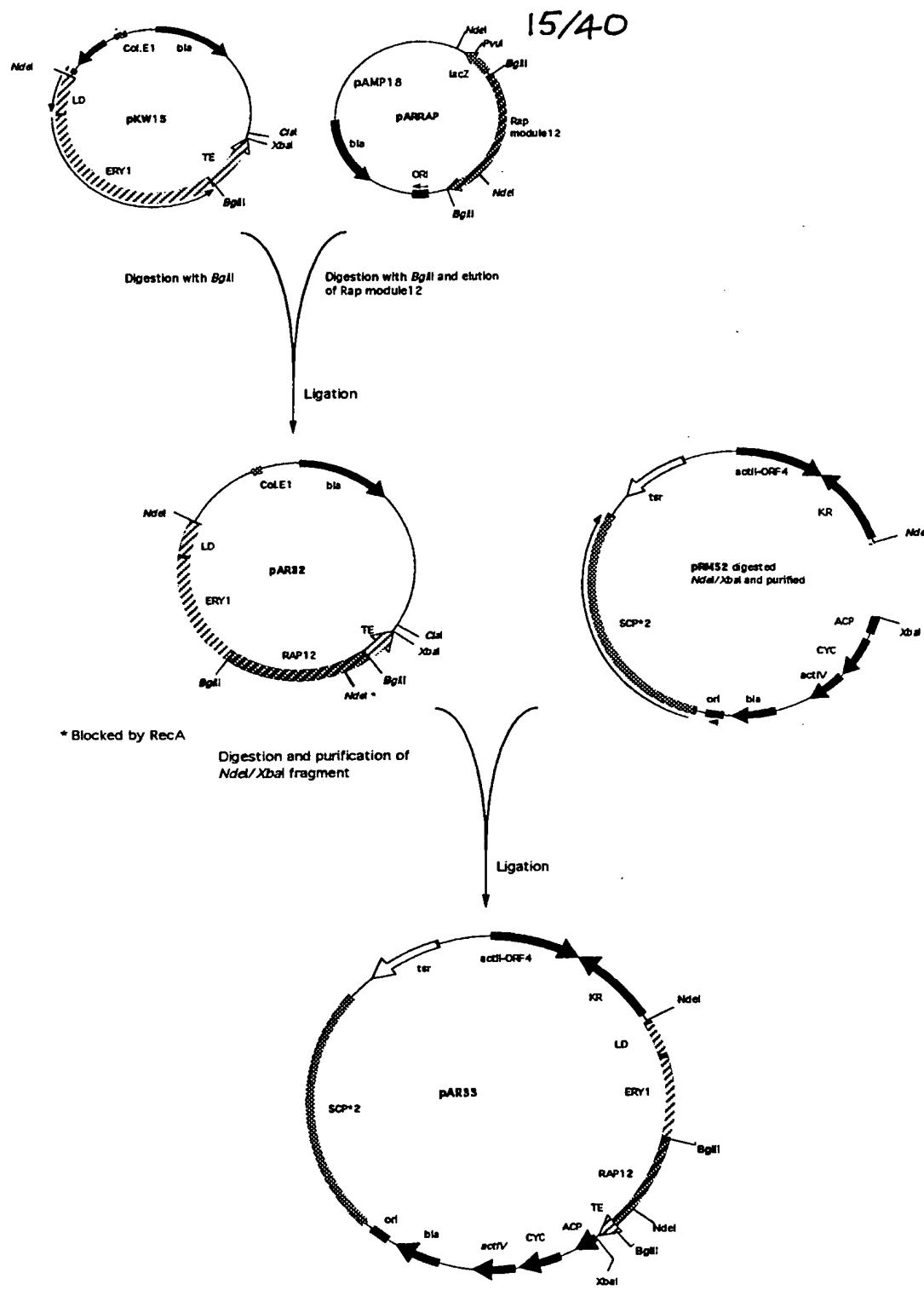


Figure 13.

16/40

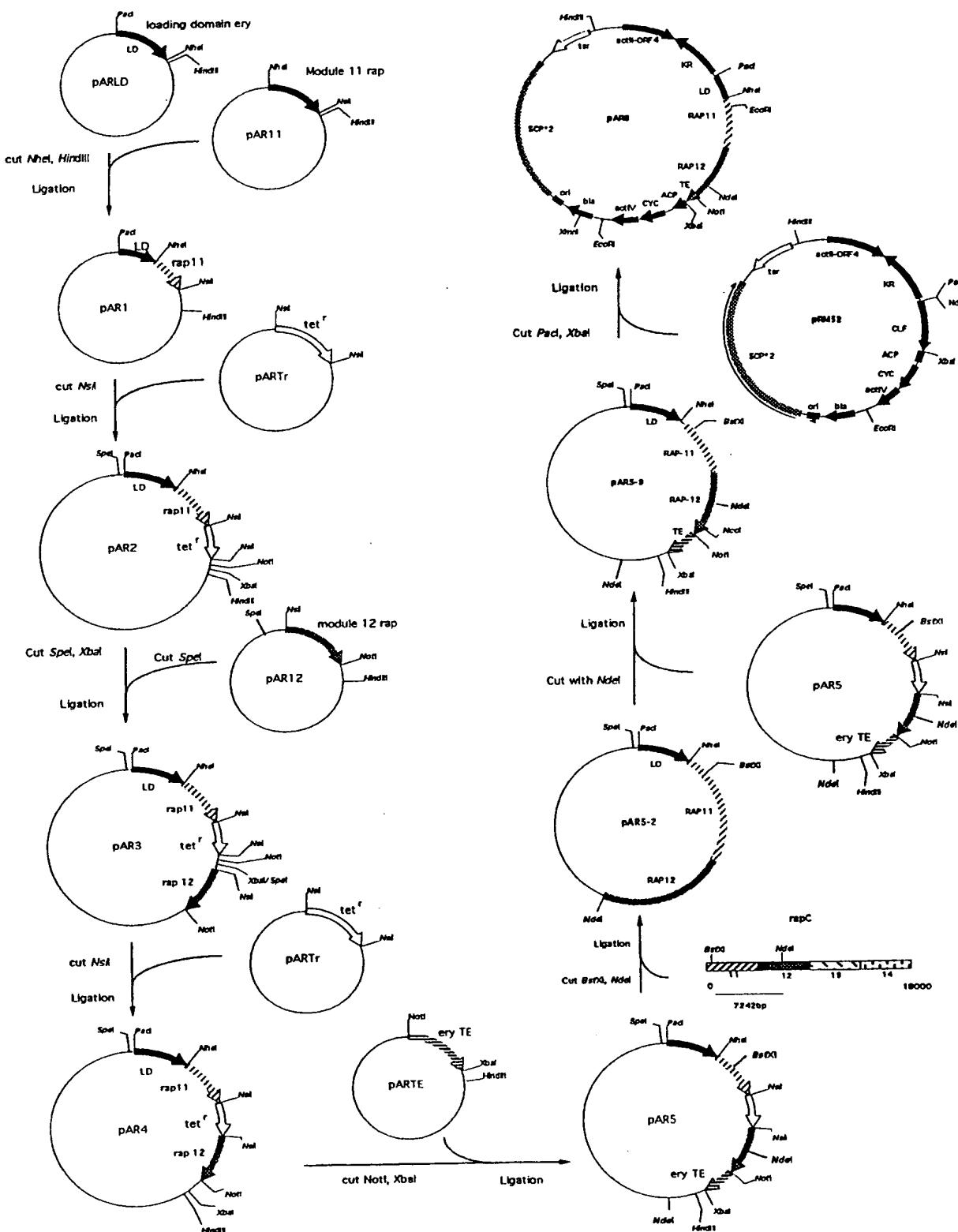


Figure 14.

17/40

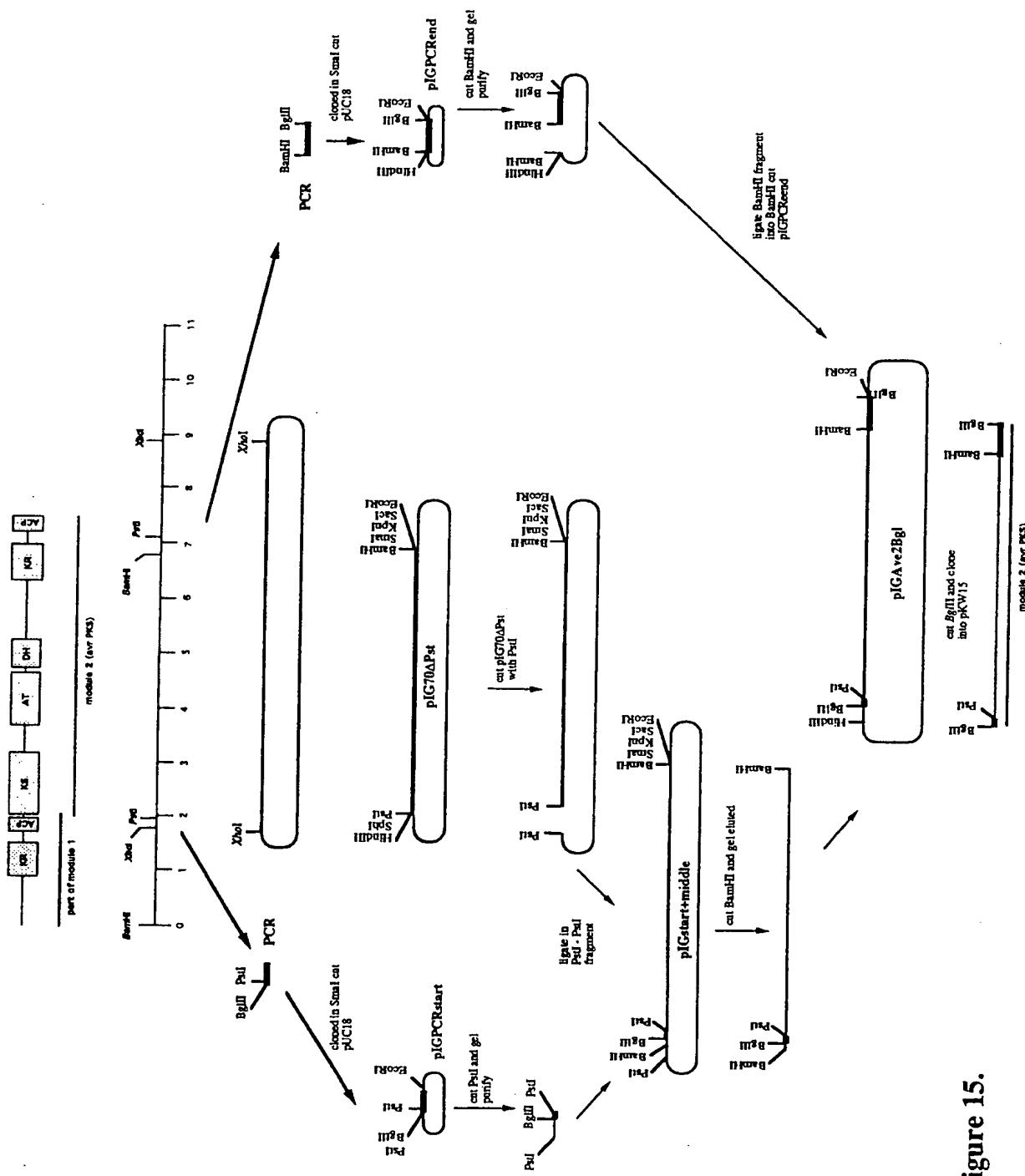


Figure 15.

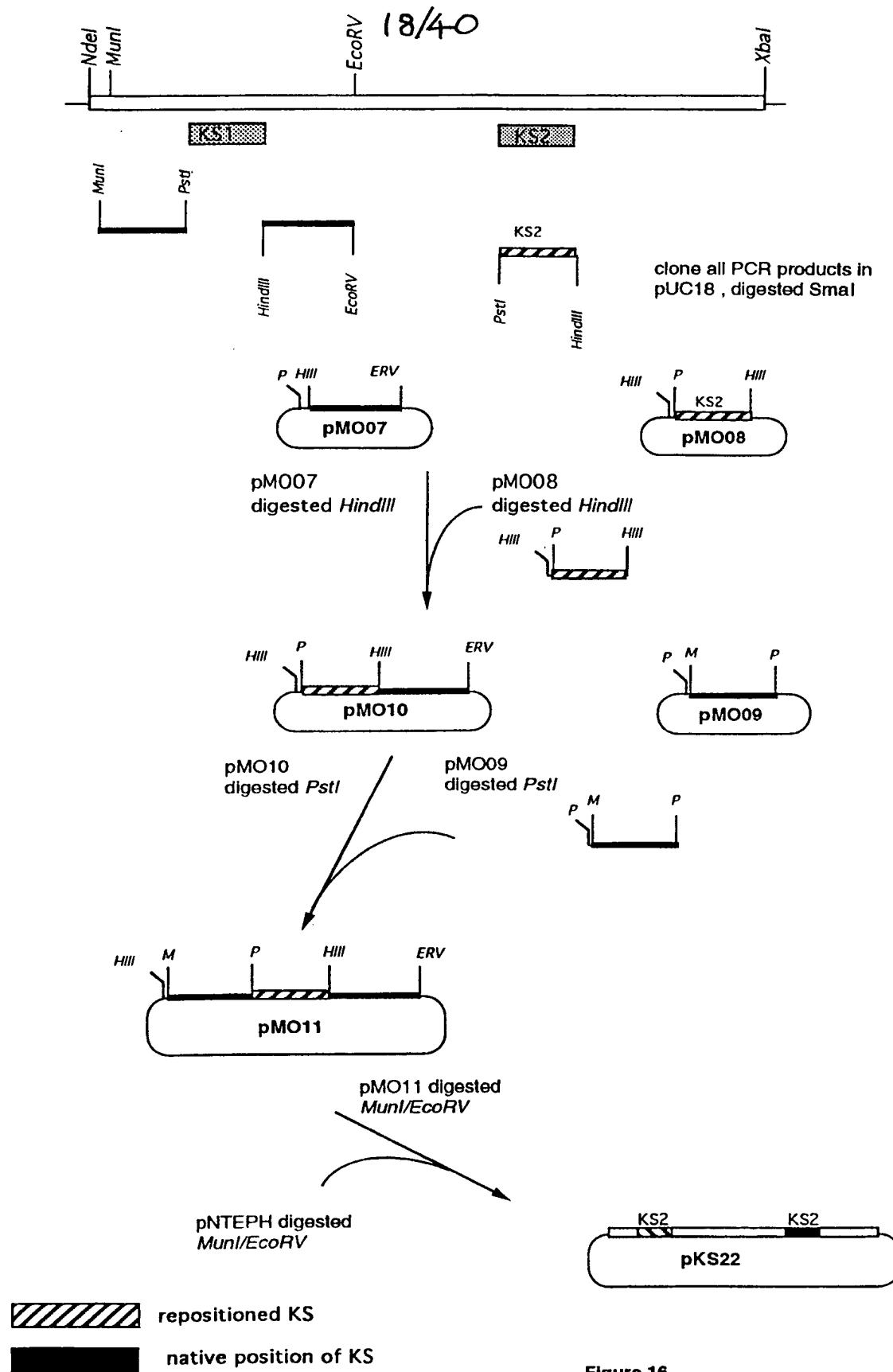


Figure 16

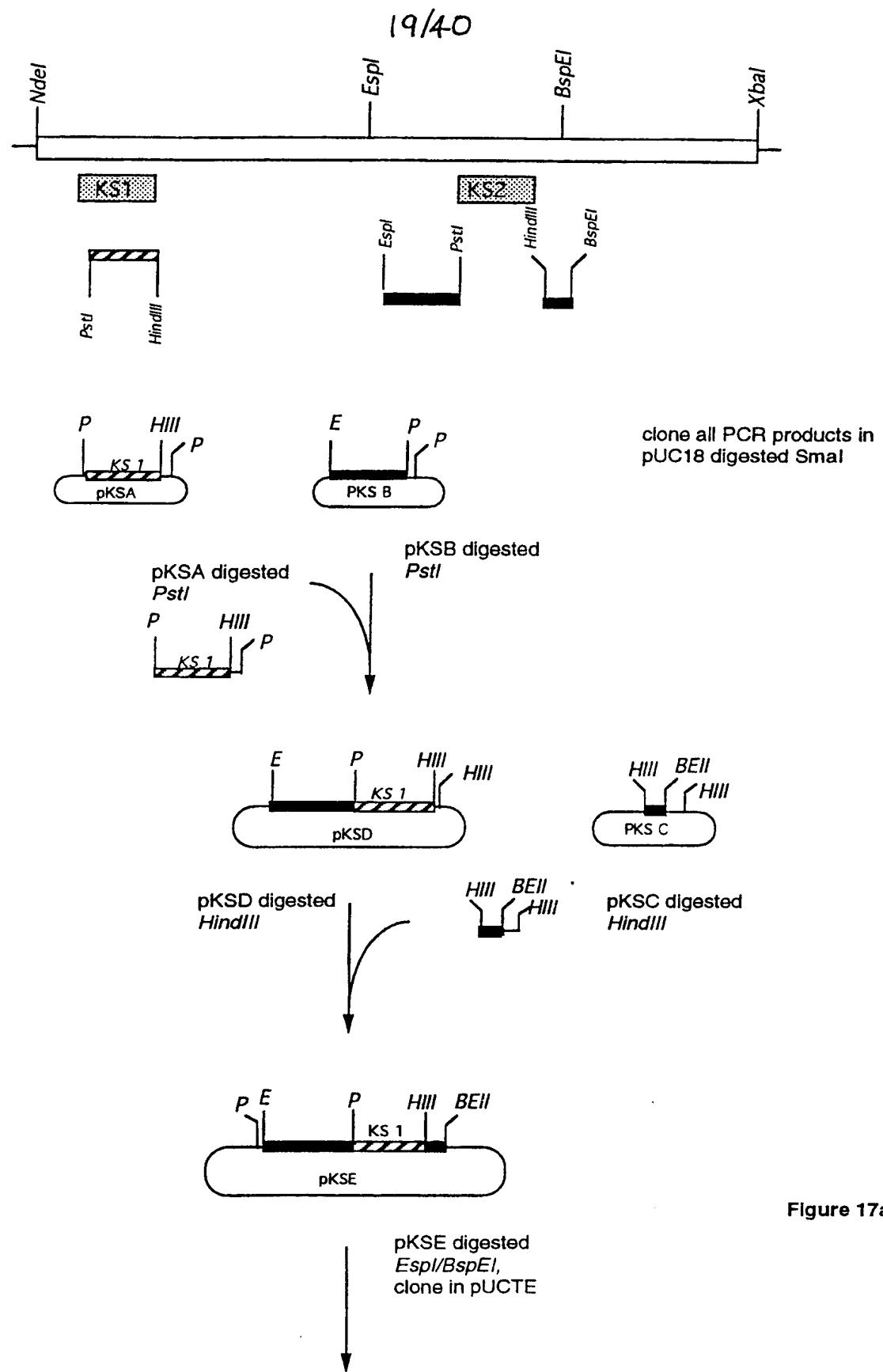


Figure 17a

20/40

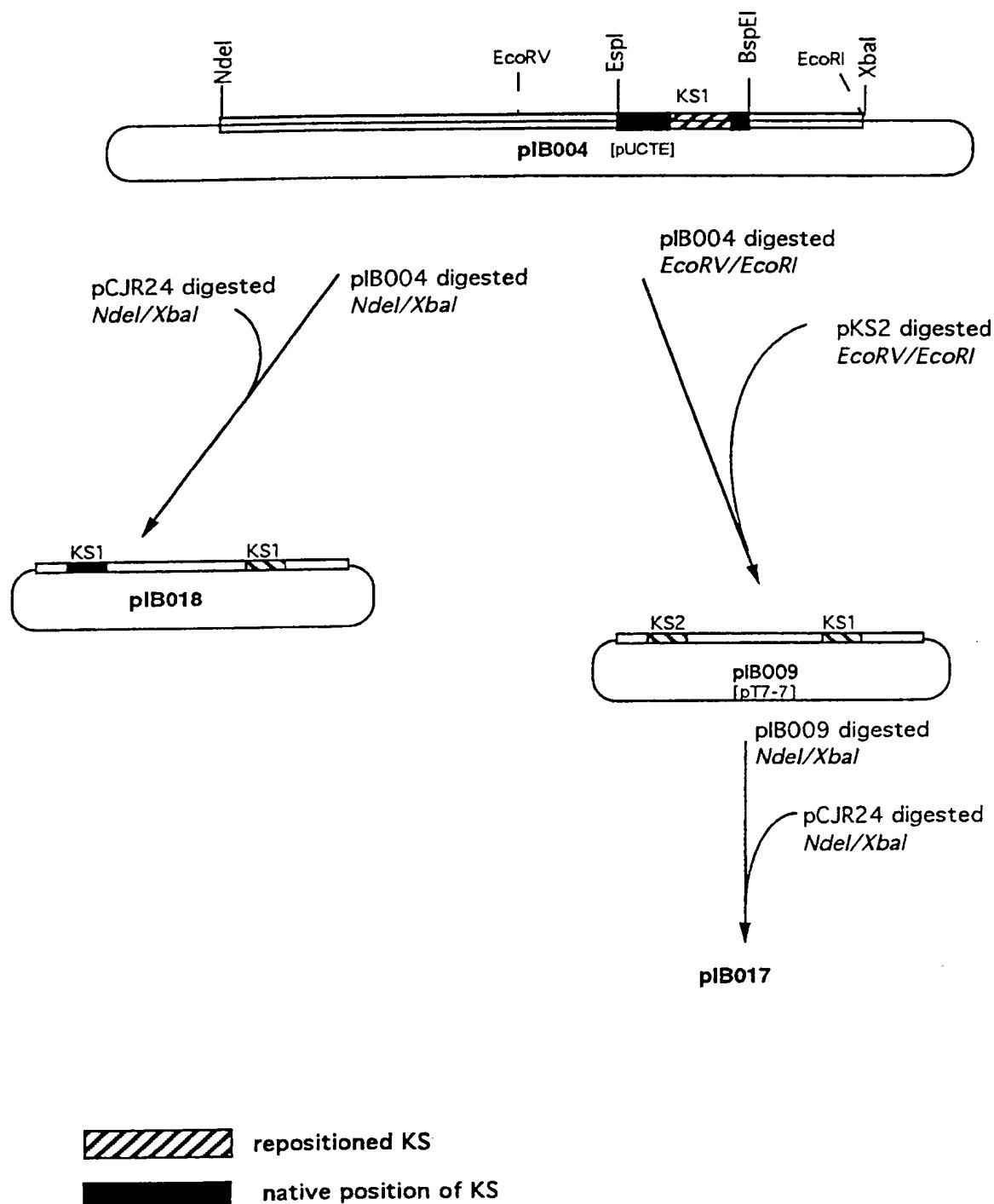


Figure 17b

21/40

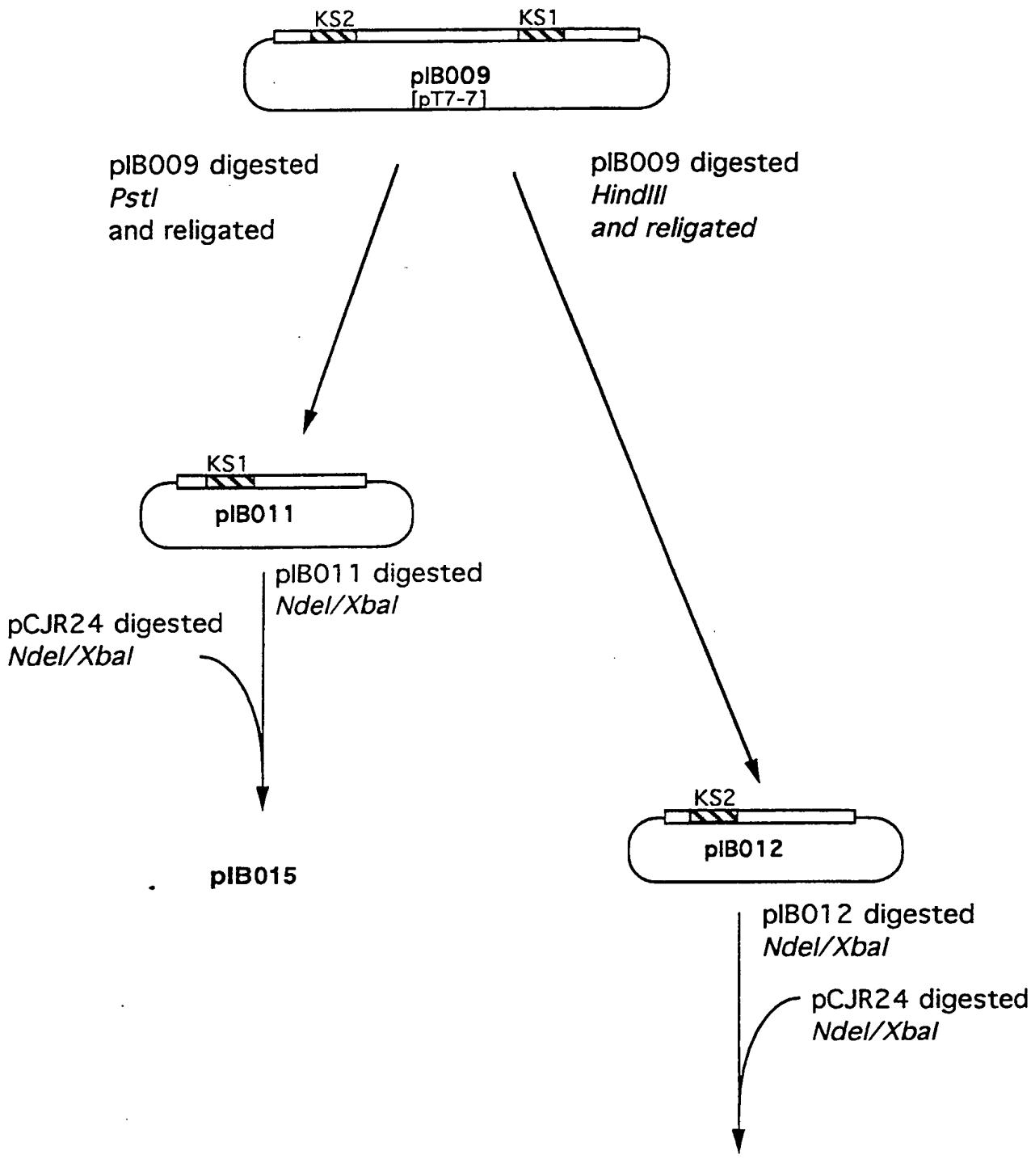


Figure 18  
Construction of DKS

22/40

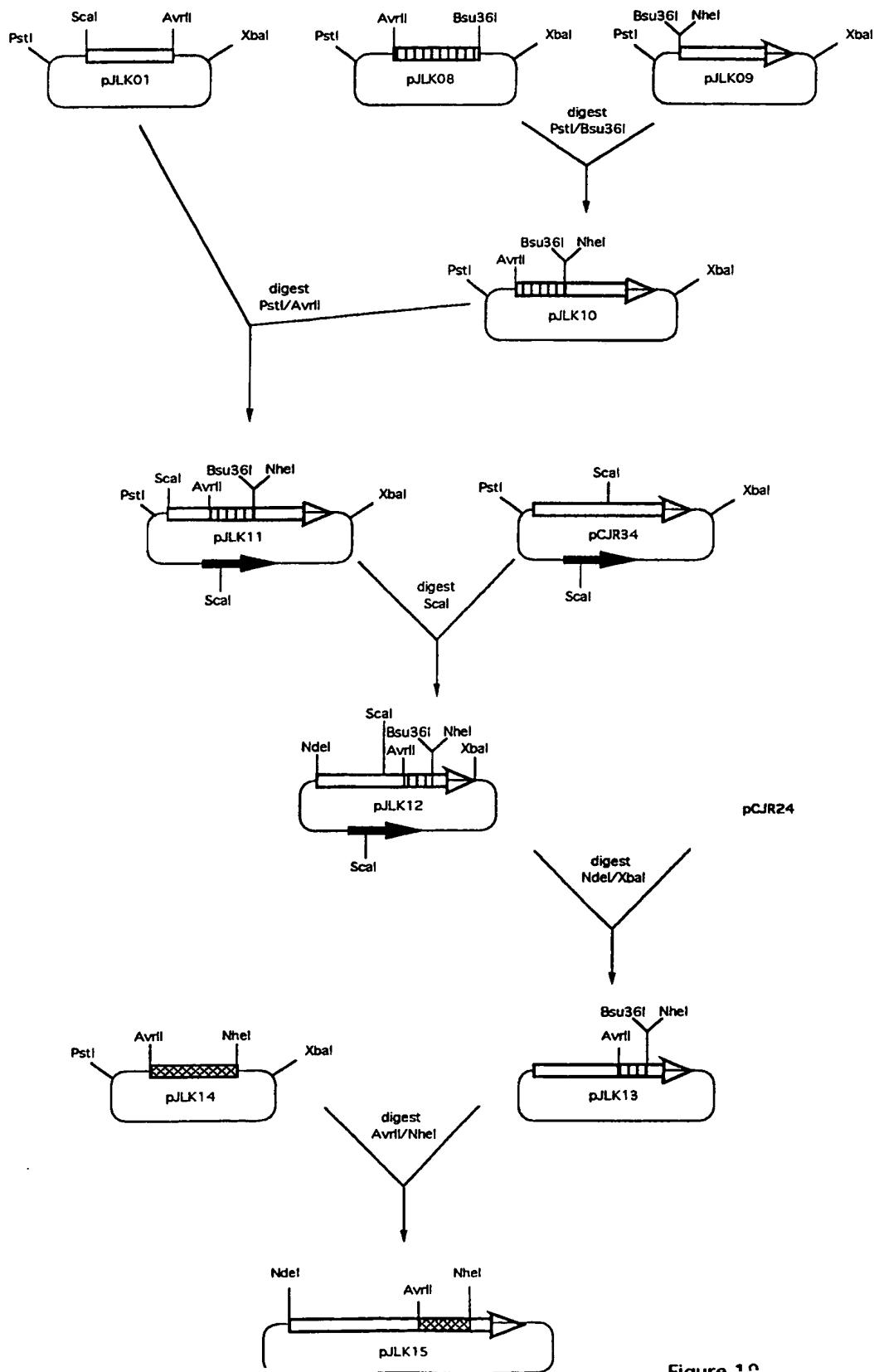


Figure 10

23/40

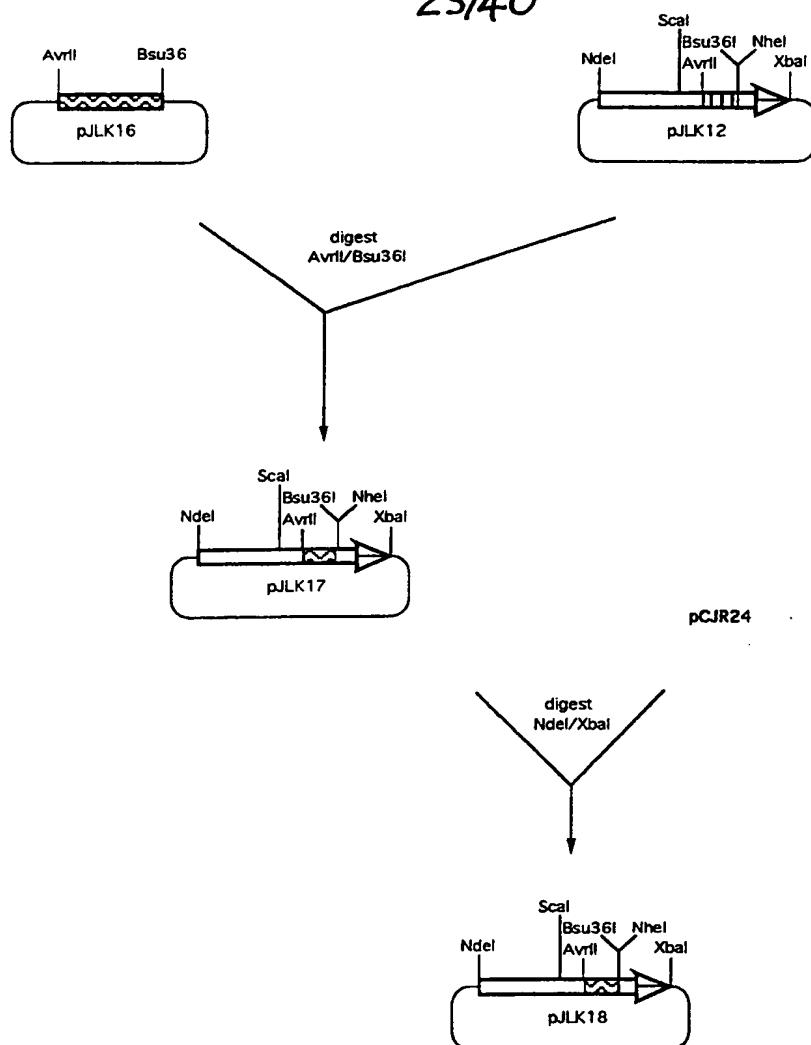
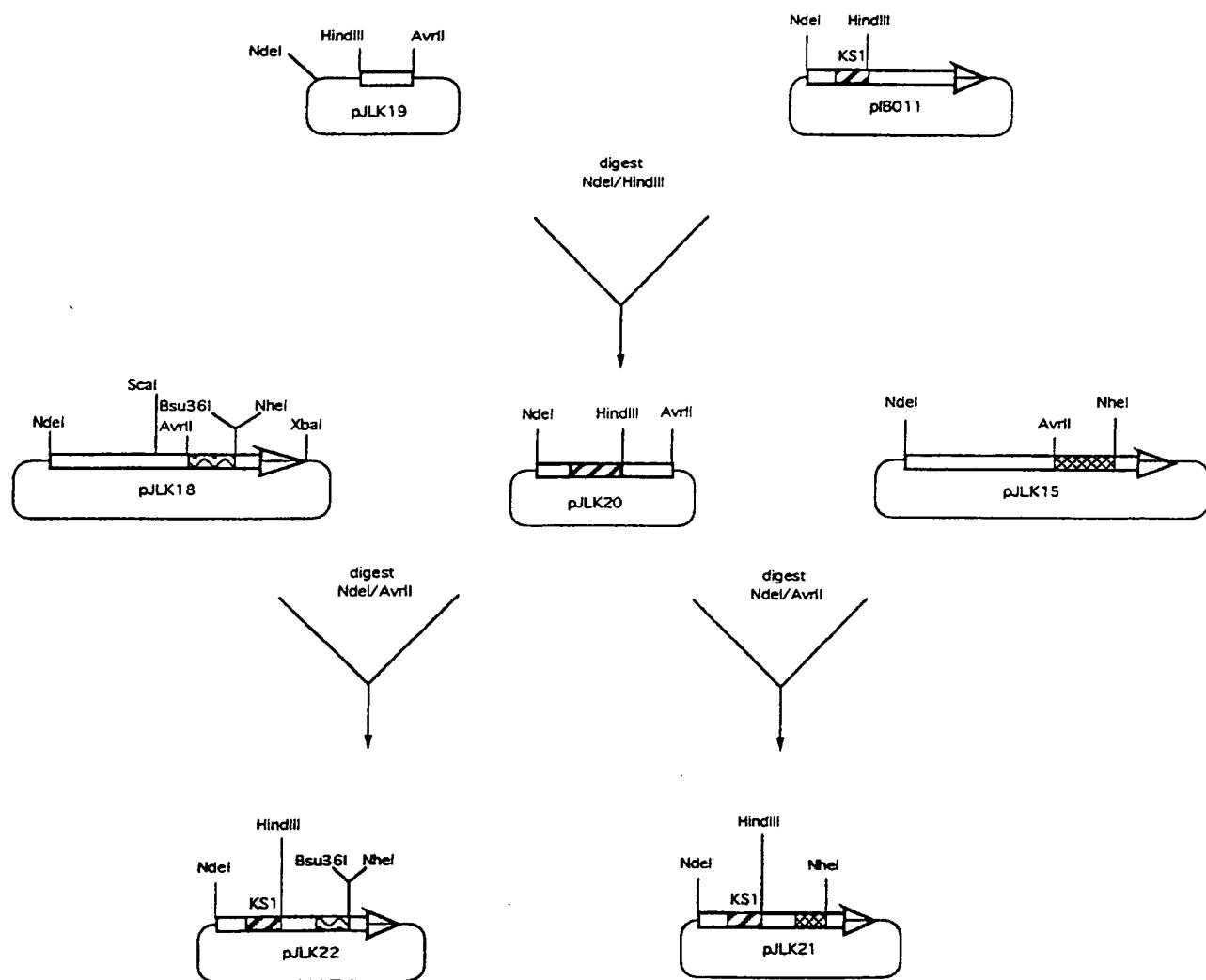


Figure 20

24/40

Figure 21

## Construction of a Diketide Synthase With Different Reductive Loops



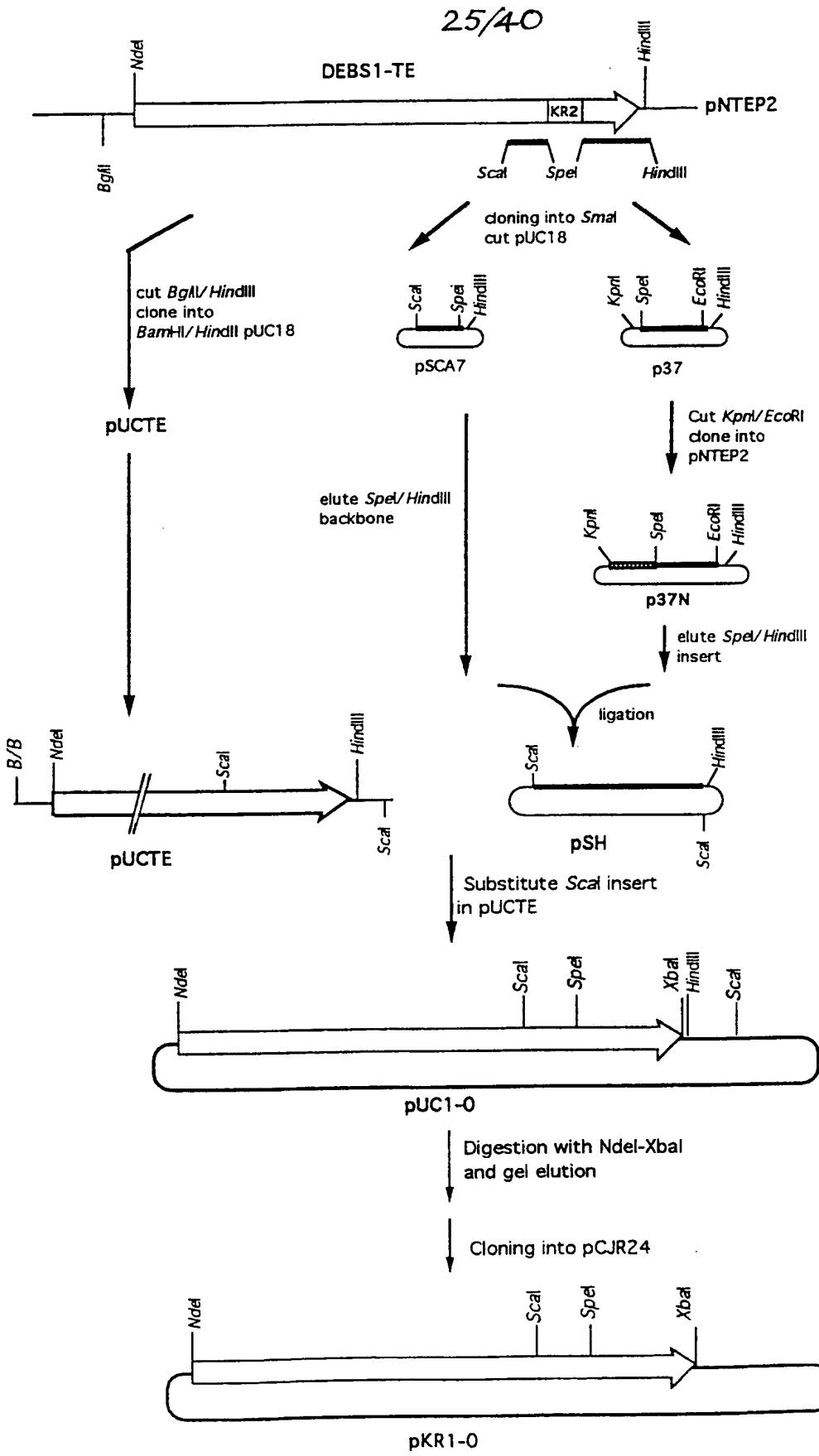


Fig 22

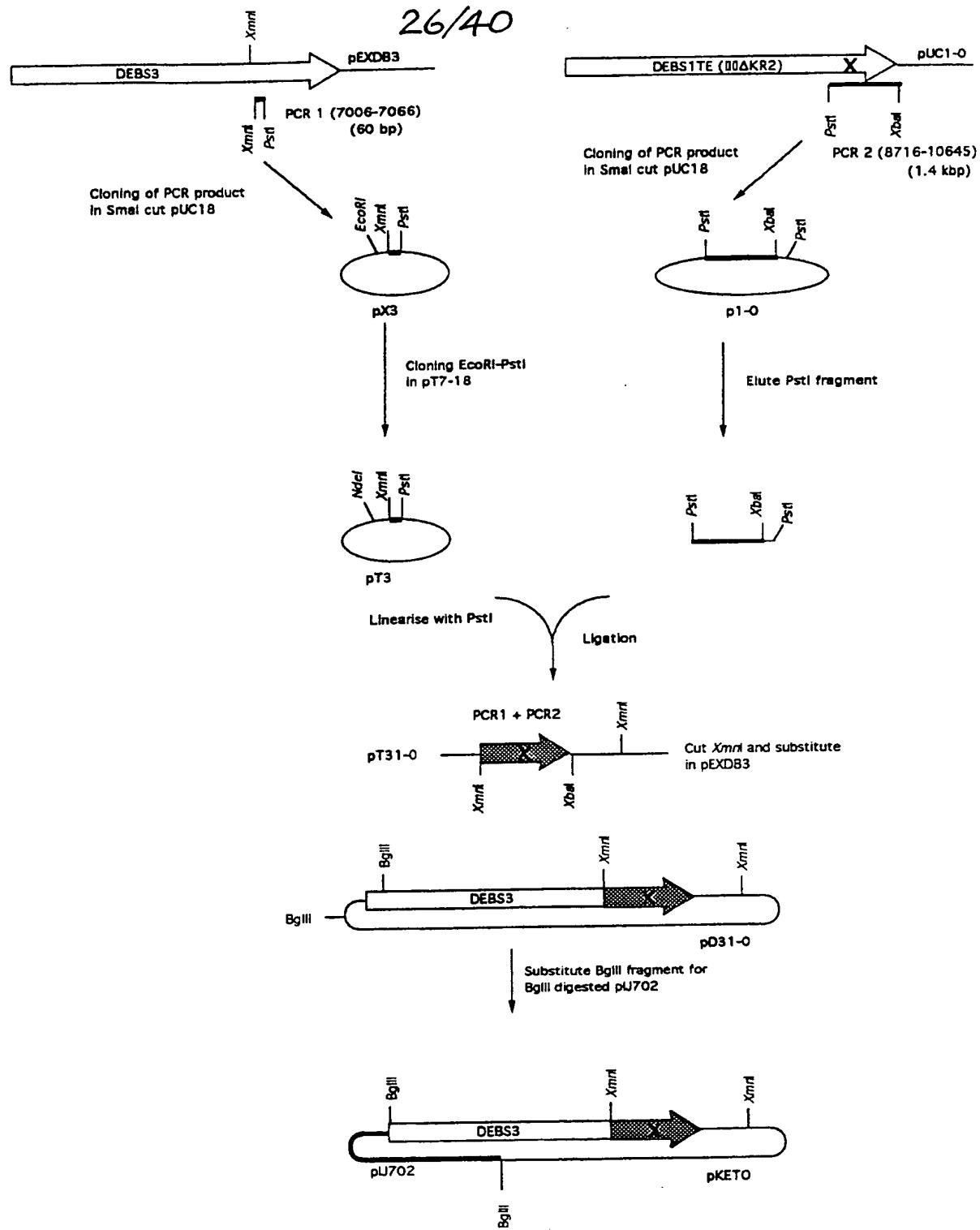


Fig 23. Construction of plasmid pKETO

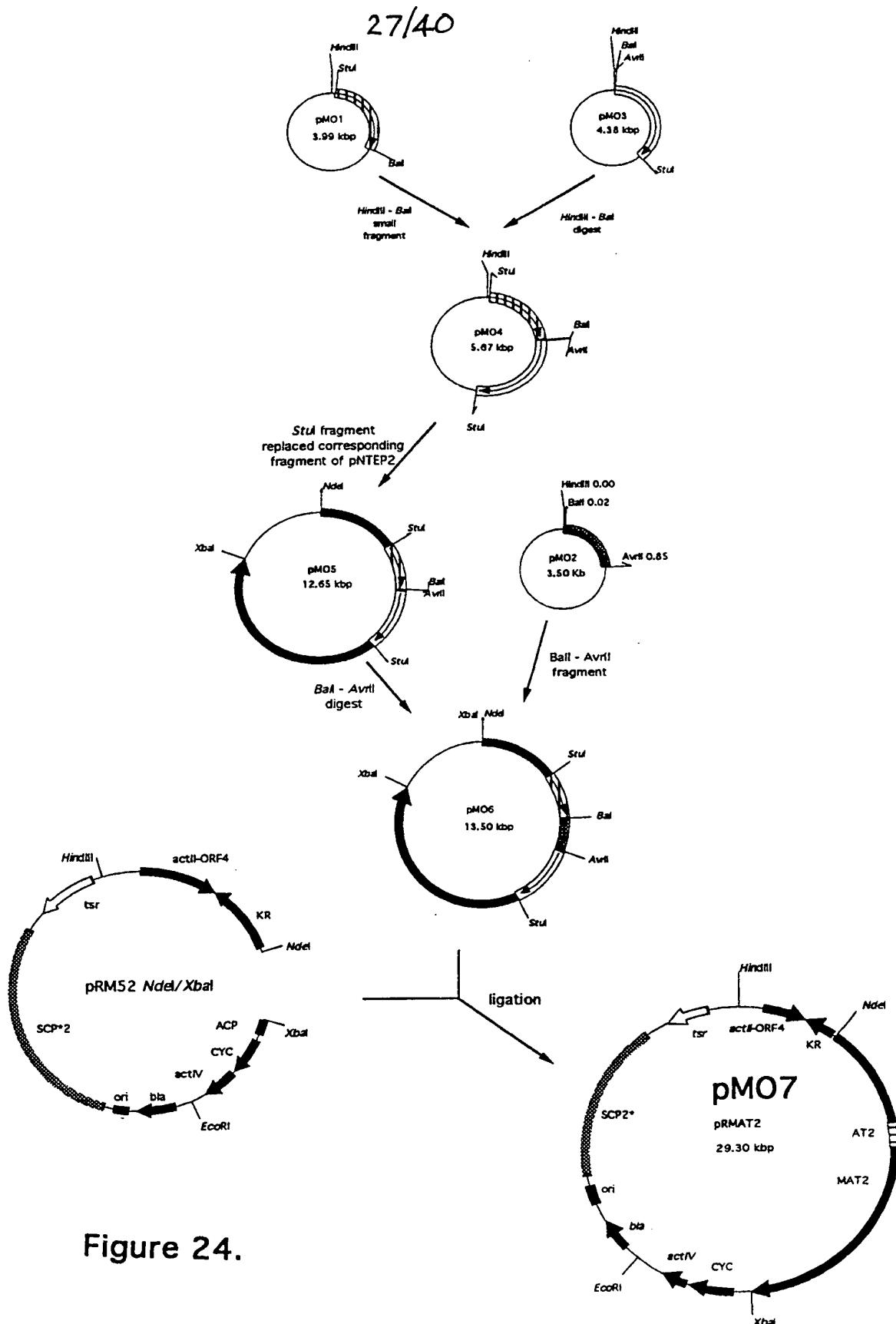


Figure 24.

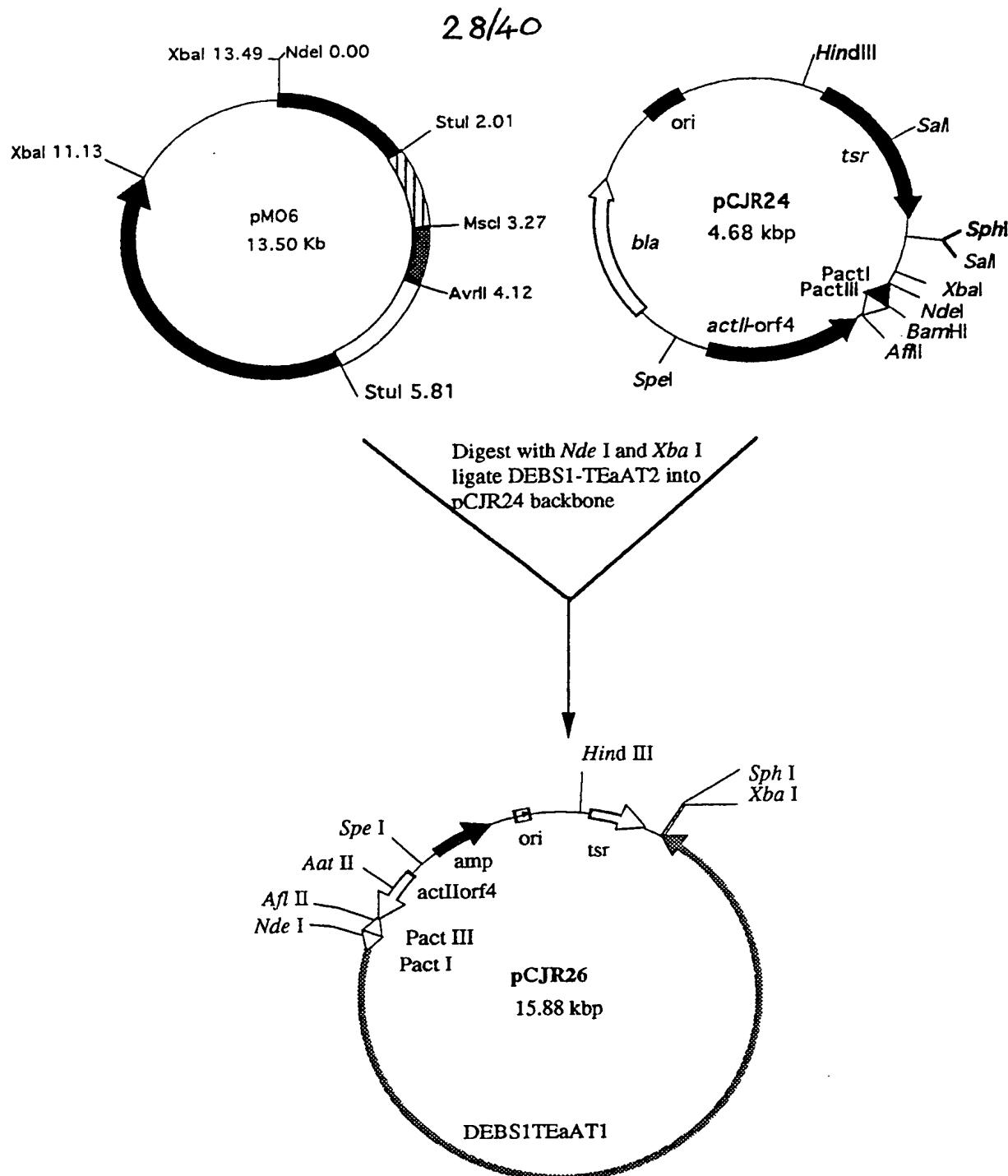


Figure  
25

29/40

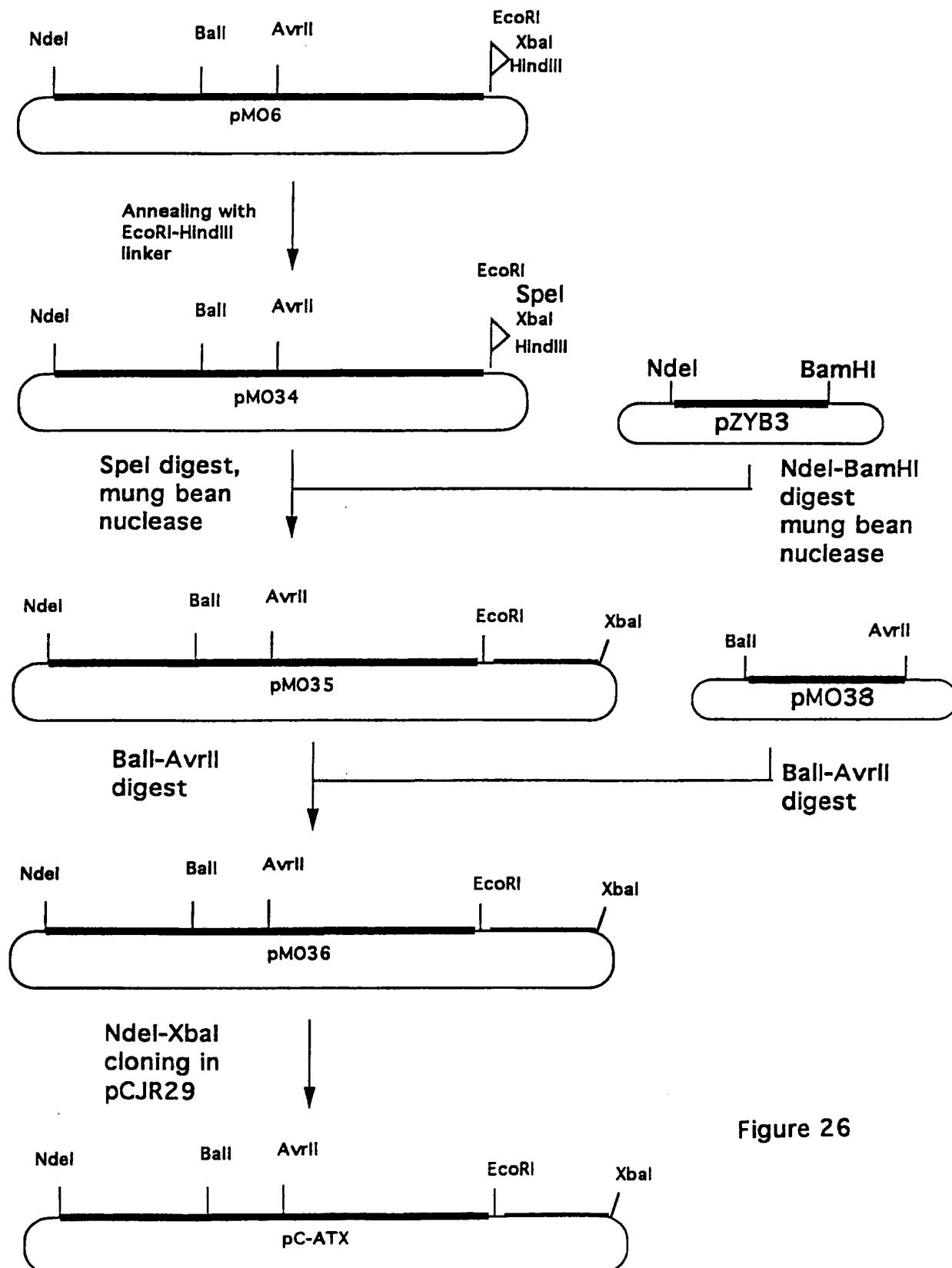
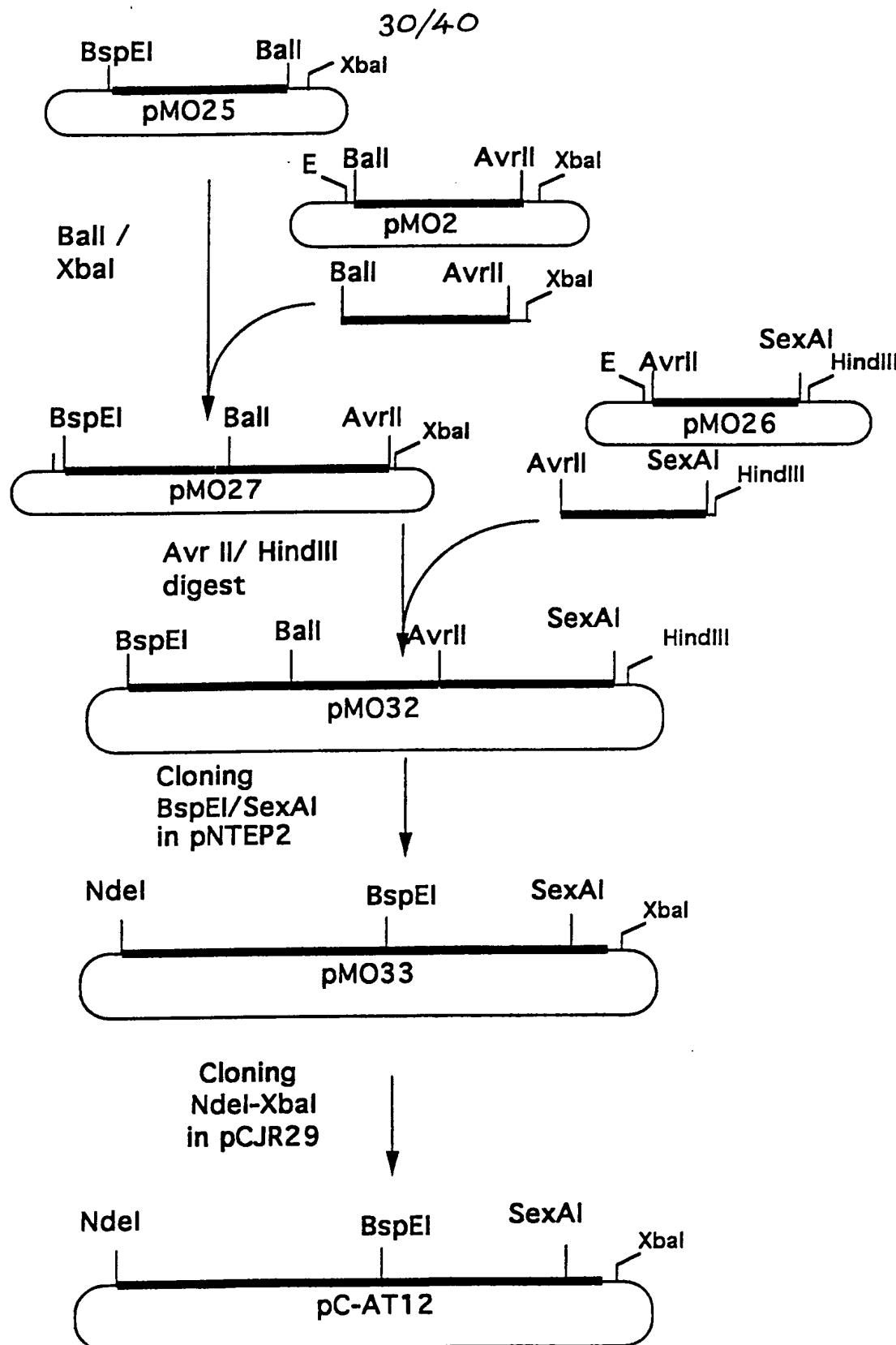
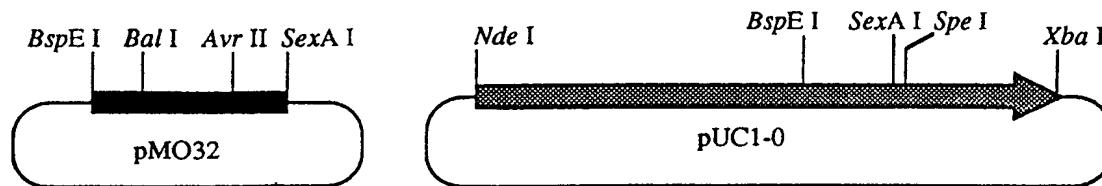


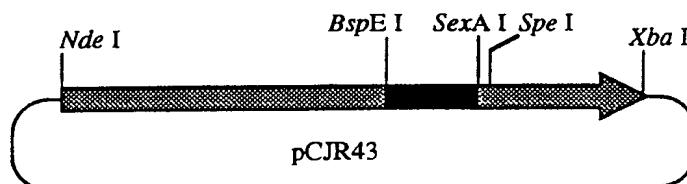
Figure 26



31/40



Digest with *BspE* I and *SexA* I  
clone RAP AT2 into pUC1-0 backbone



Digest with *Nde* I and *Xba* I and clone into  
pCJR24 which had previously been  
digested with *Nde* I and *Xba* I

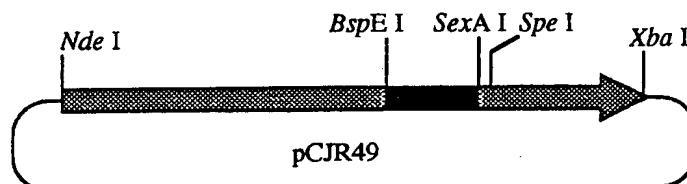


Figure  
28

32/40

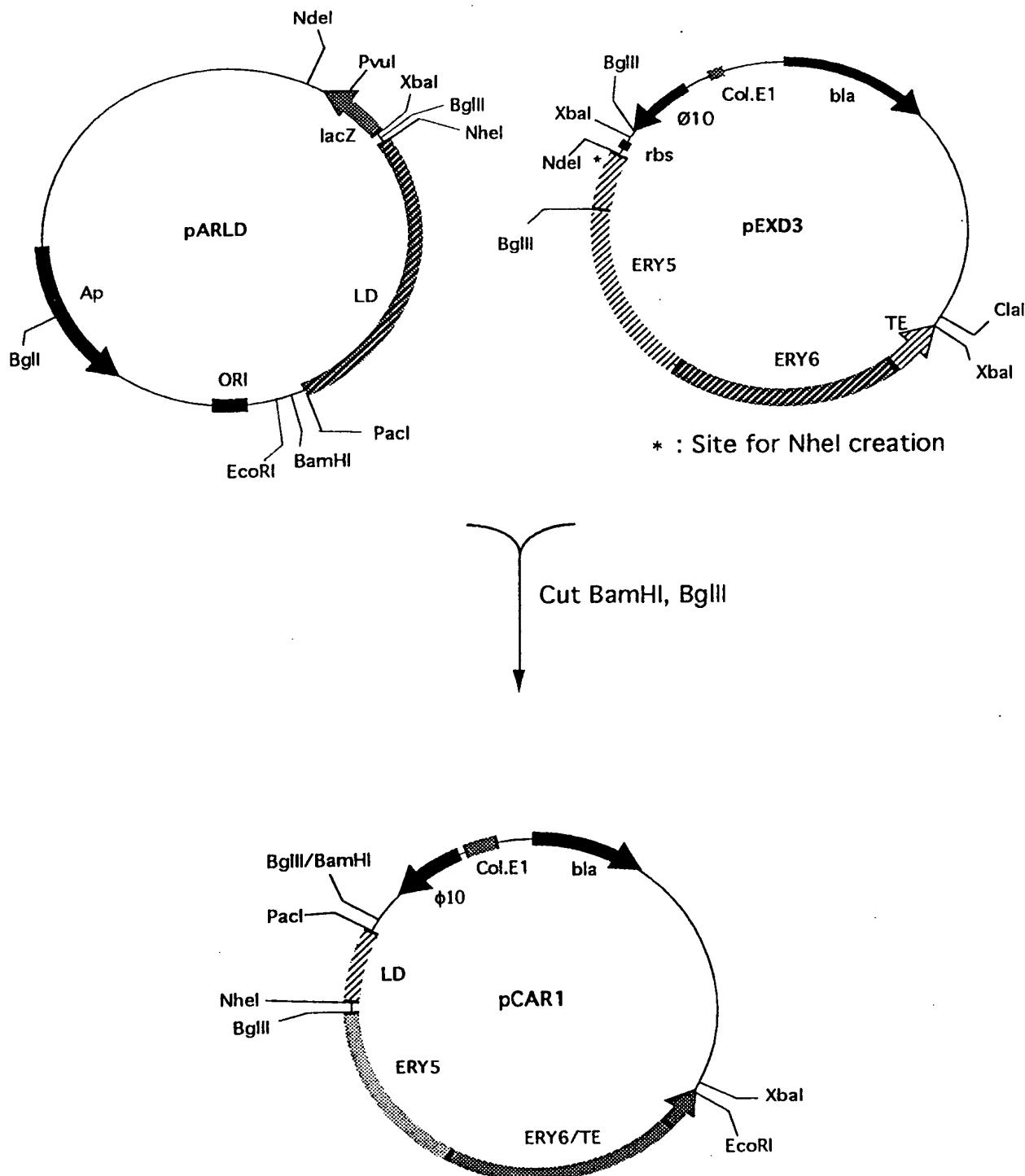


Figure 29a: Construction of pCART11

09/214453

WO 98/01546

PCT/GB97/01819

33/40

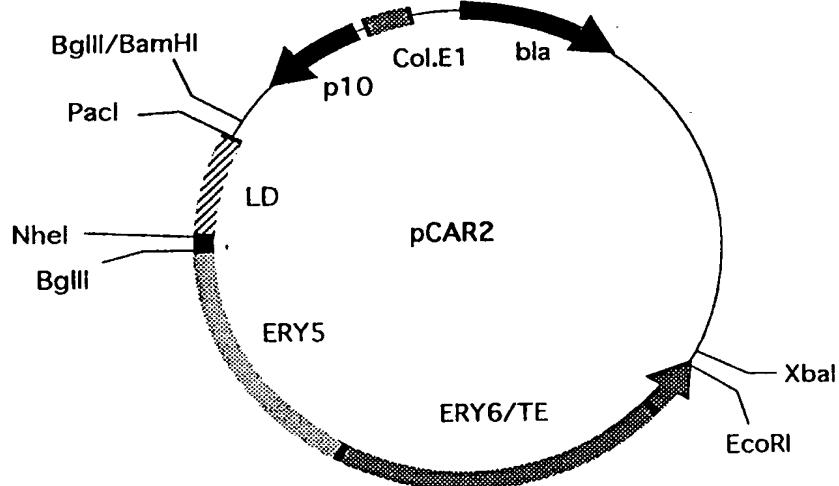
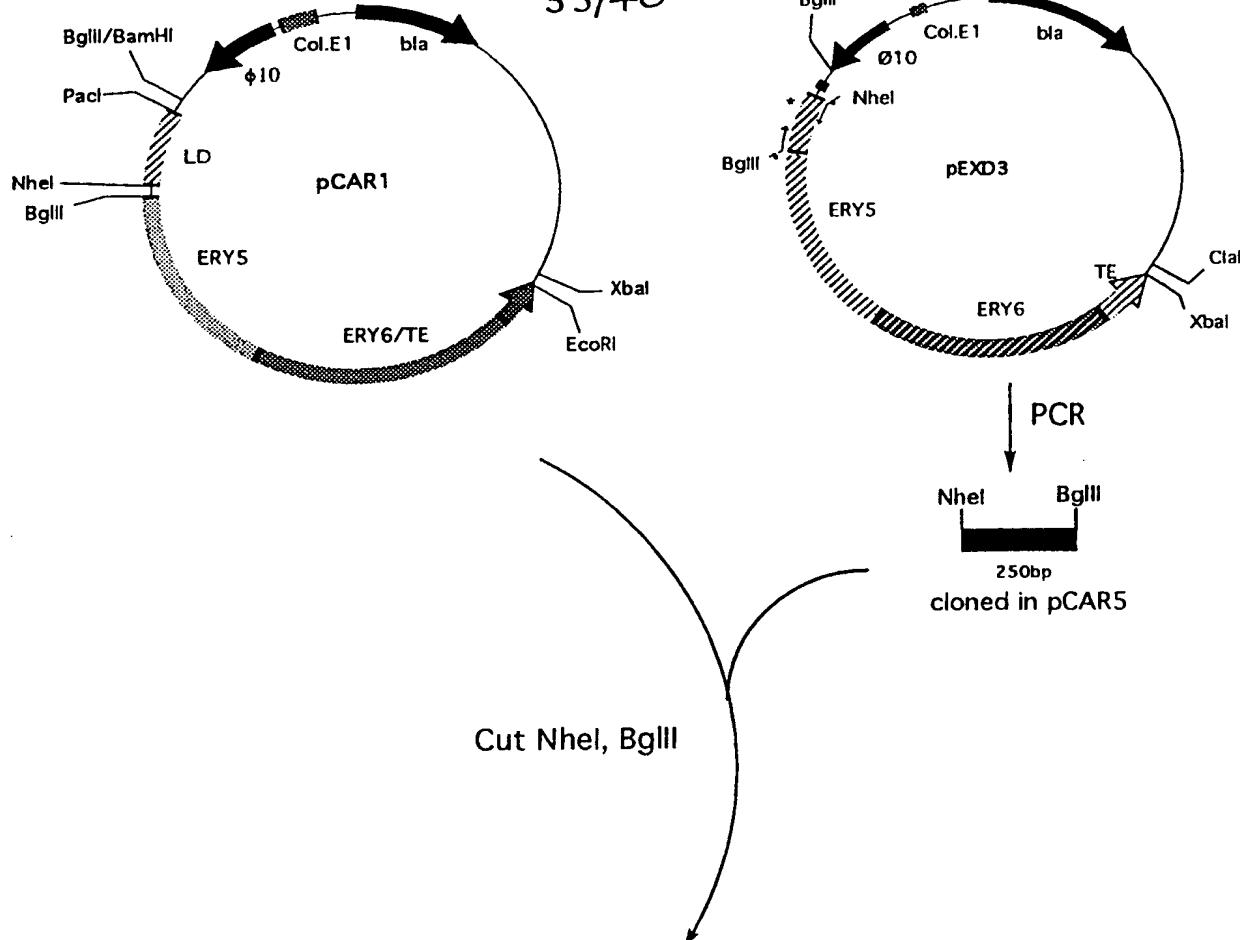


Figure 29b: Construction of pCART11

34/40

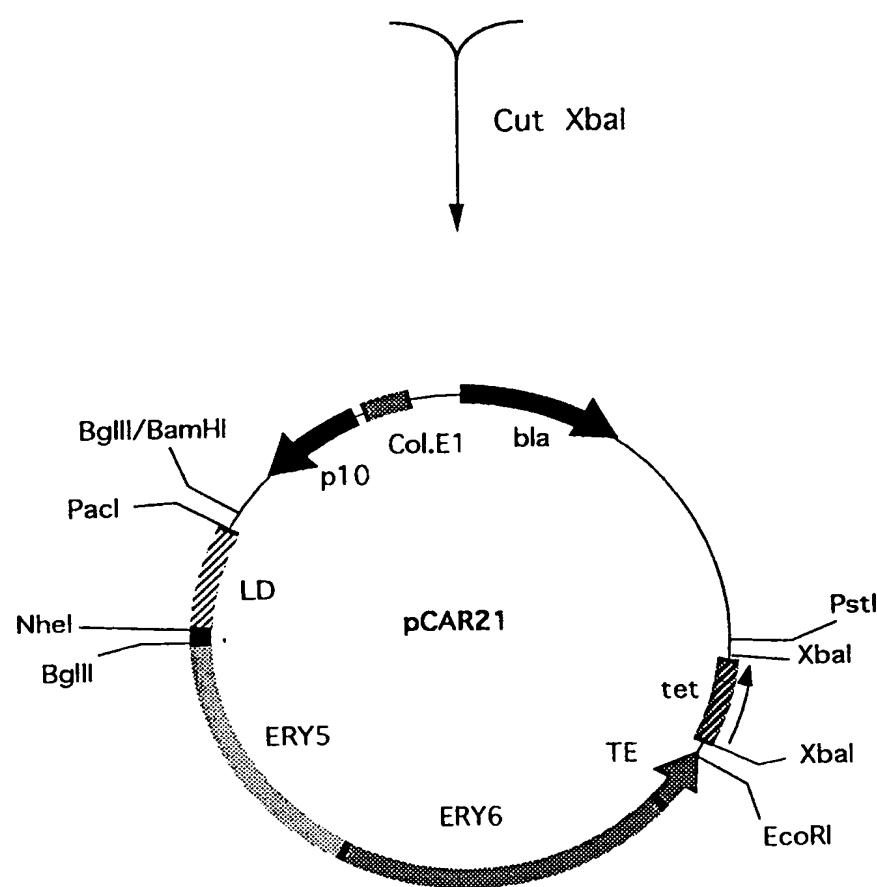
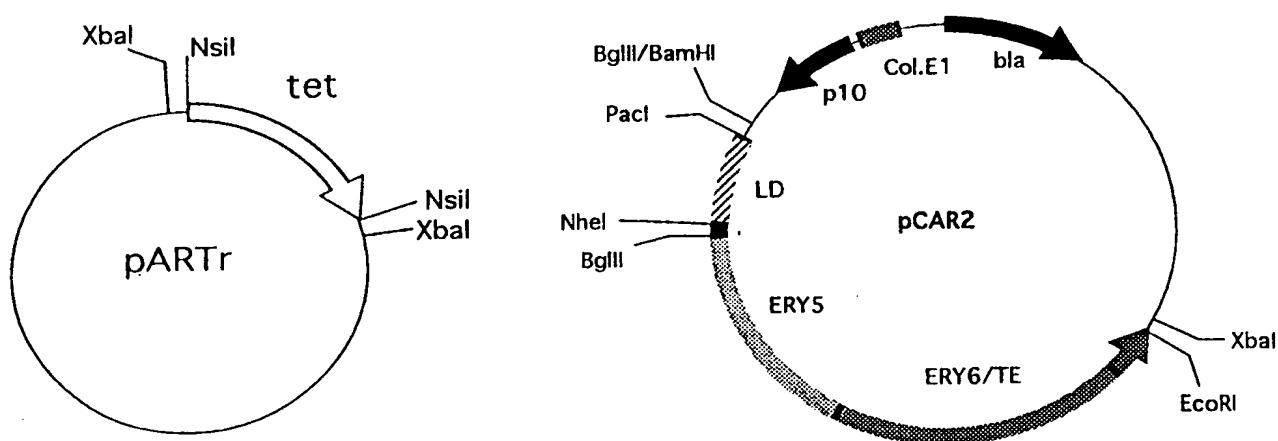
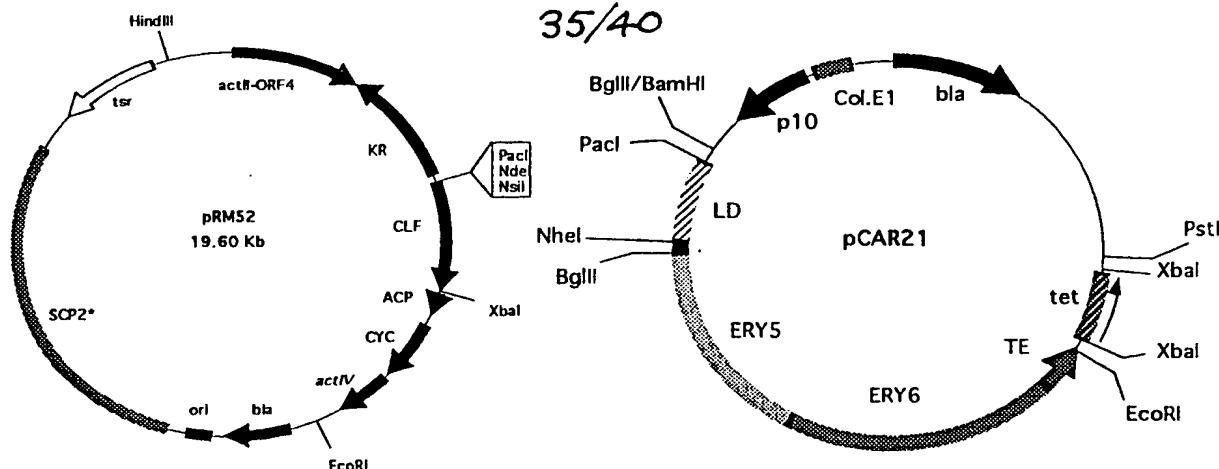


Figure 29c: Construction of pCART11

35/40



Cut PacI, NsiI

Cut PacI, PstI

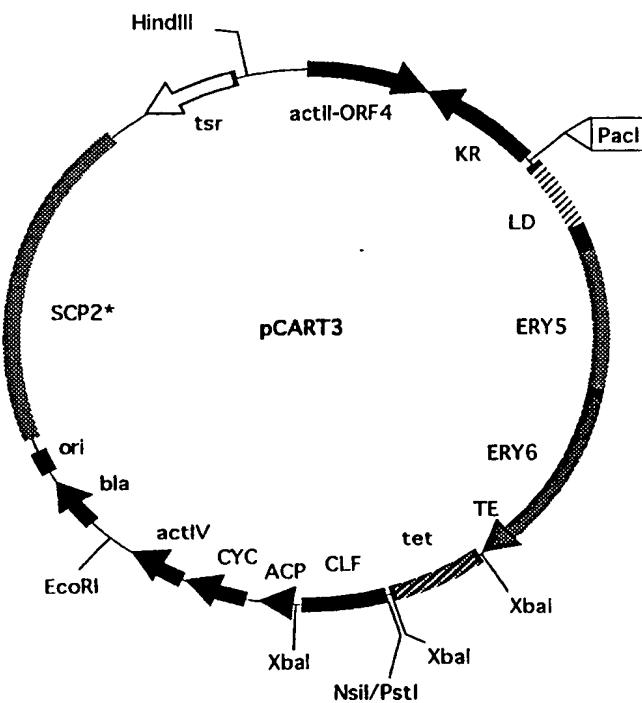


Figure 29d: Construction of pCART11

36/40

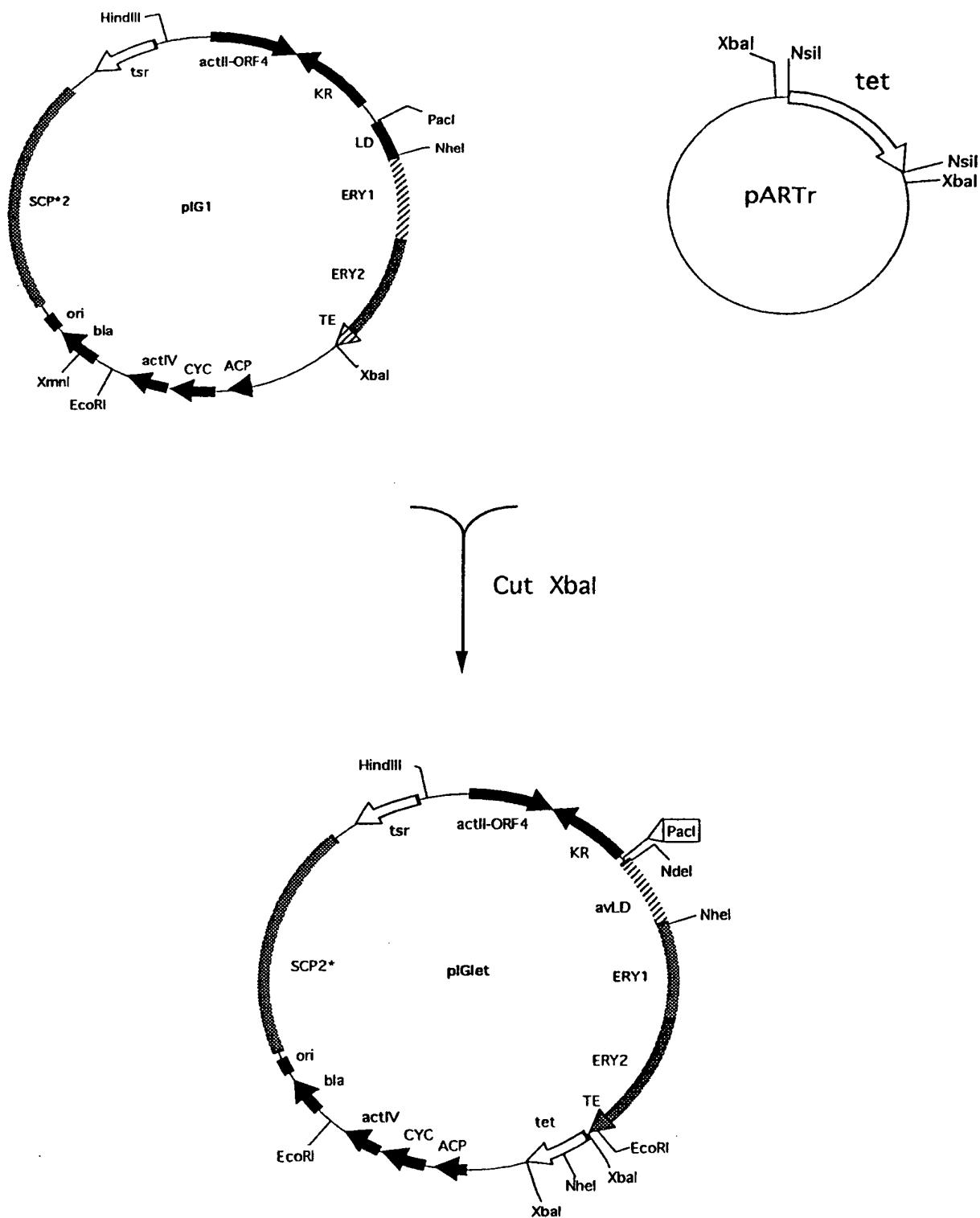
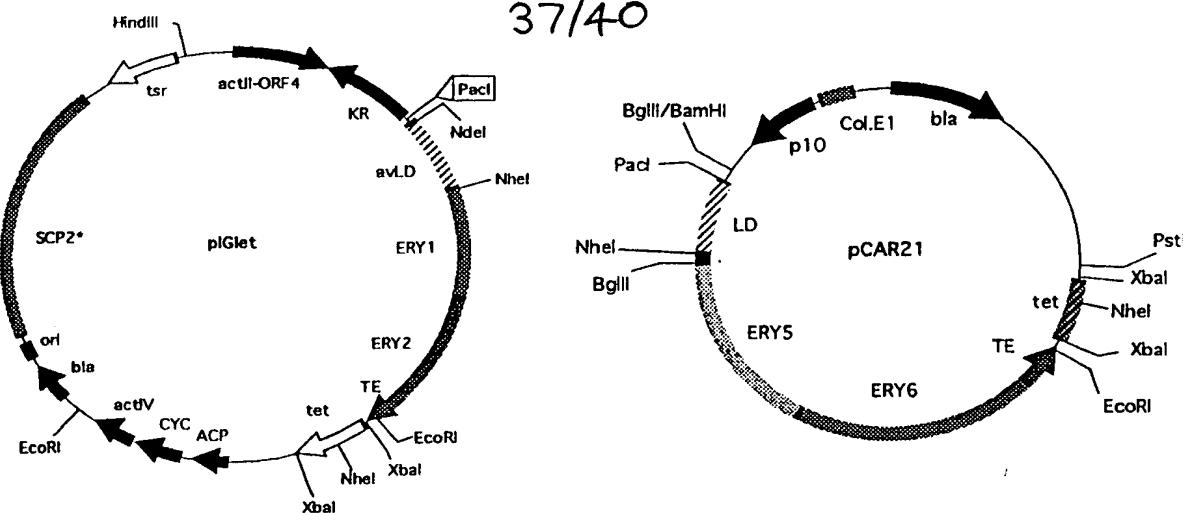


Figure 29e: Construction of pCART11

37/40



Cut NheI  
Pseudo-directional cloning

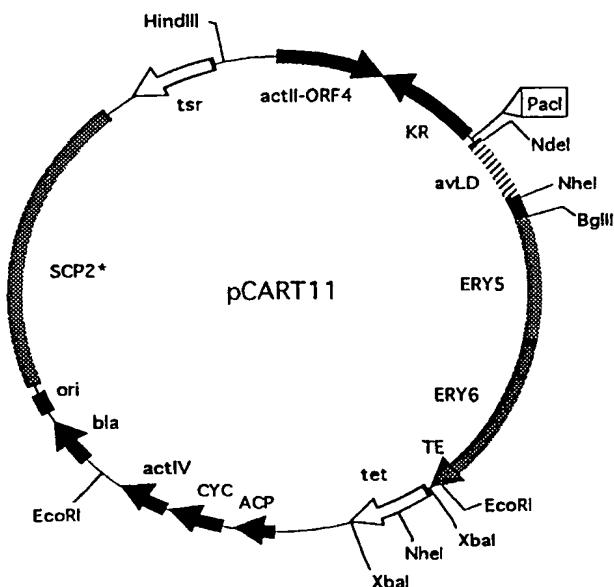
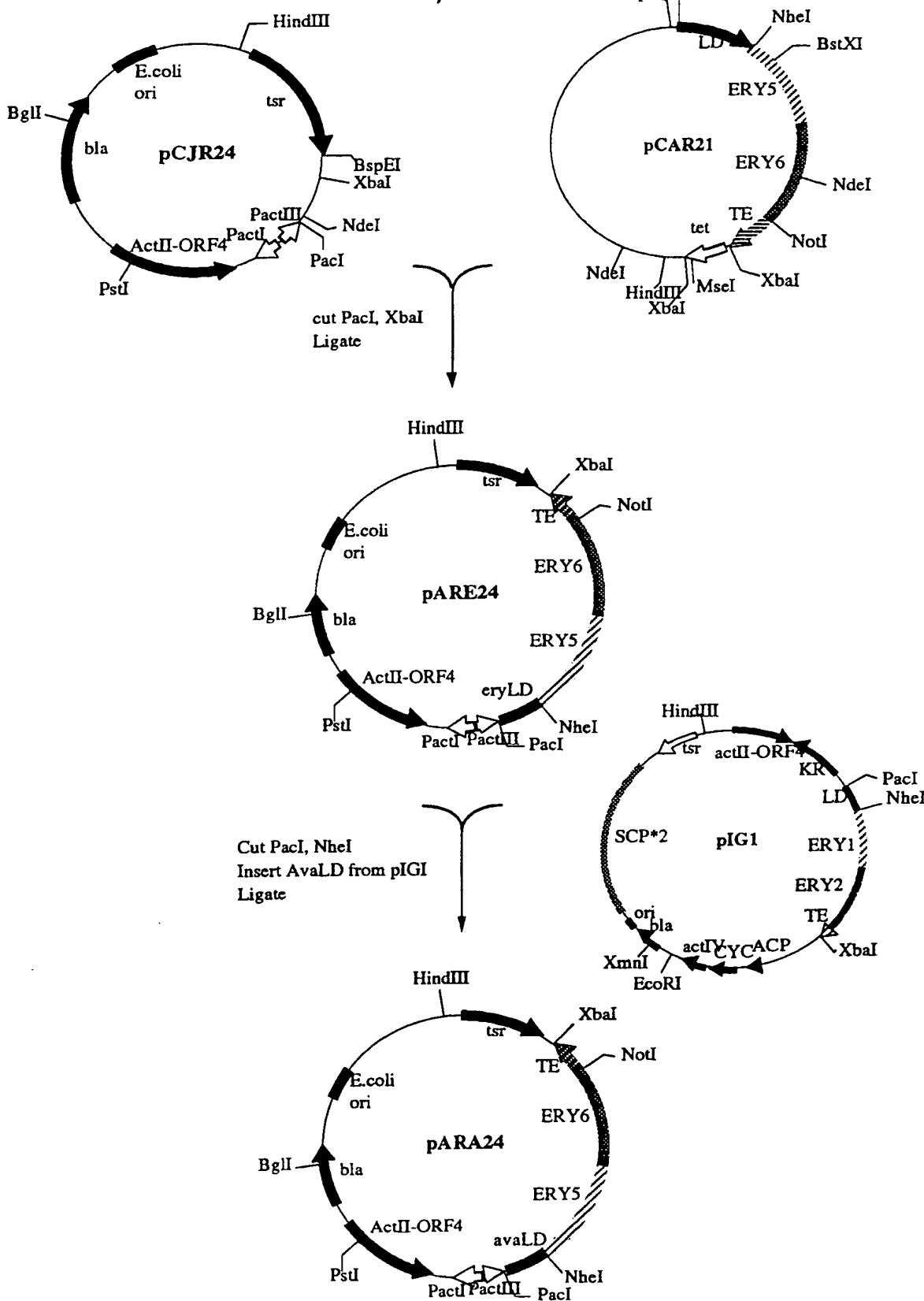


Figure 29f: Construction of pCART11

38/40



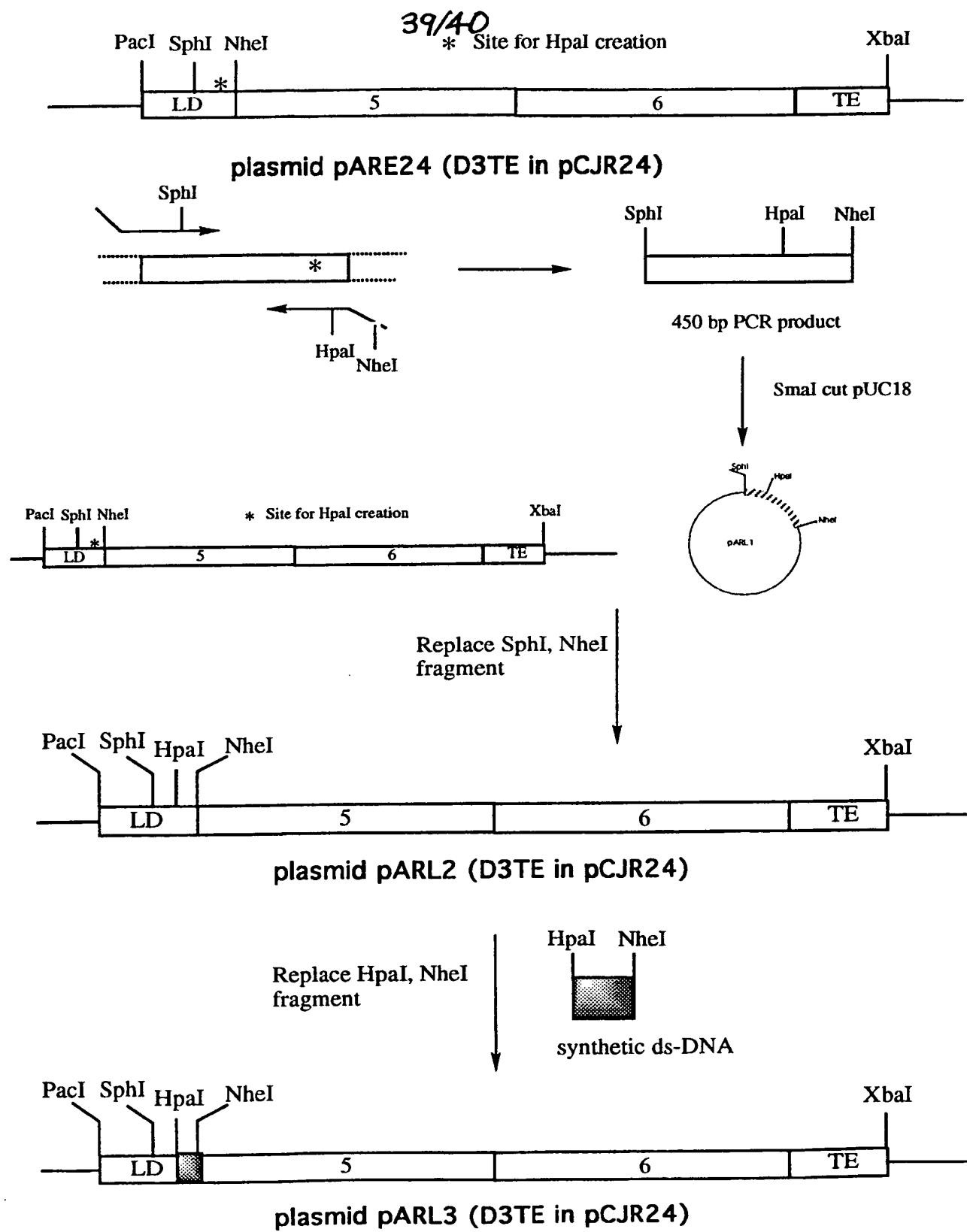
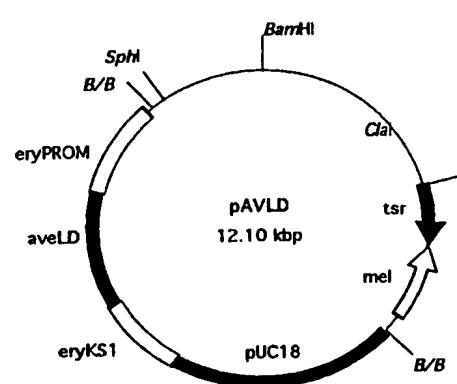
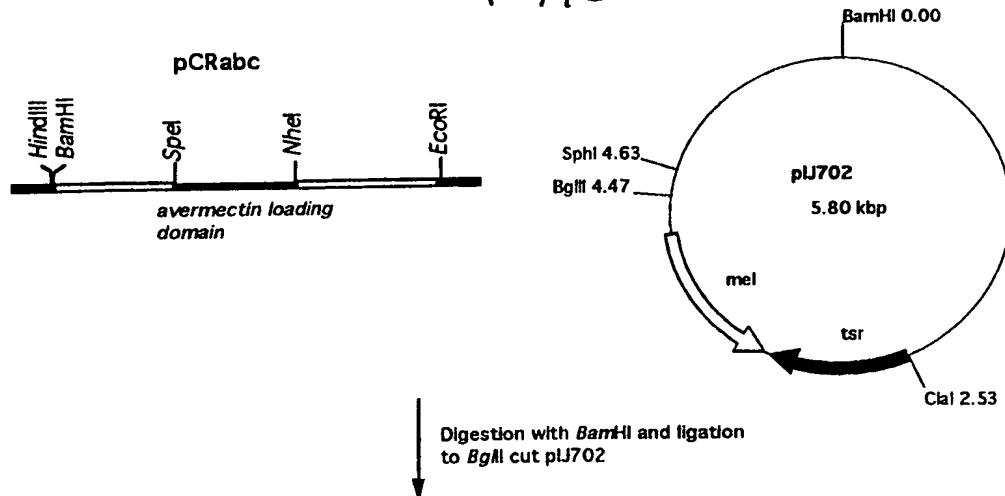


Figure 31 : Construction of plasmid pARL3

40/40



**Figure 32.**